


**MICHIGAN STATE  
UNIVERSITY**

August 23, 2012

**MEMORANDUM**

TO: Members of the Board of Trustees

FROM: Stephen Hsu, Vice President 

SUBJECT: Gift, Grant and Contract Report

RECOMMENDATION: That the Board of Trustees approve the attached Gift, Grant and Contract Report for the period of June 5, 2012 through August 21, 2012. The report is a compilation of 724 Gifts, Grants and Contracts plus 72 Consignment/Non-Cash Gifts, with a total value of \$120,009,741.



FY 2012-13 TOTALS:

a) Gifts, Grants and Contracts only:	\$119,655,342
b) Gifts, Grants and Contracts plus Consignments:	\$120,009,741

(Consignments are Non-Cash Gifts and Non-Cash Loans)

RESOLUTION:

BE IT RESOLVED that the Board of Trustees approve acceptance of gifts, grants and contracts as listed in the attached report.

Stephen Hsu  
Vice President

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JIG/sb

## Current Period / Year to Date

### Gift & Grant Awards

Meeting Date: 9/7/2012

#### AWARD TOTALS

Research			
	06/05/12-08/21/12	12-13	% of Total
<u>Gift/Grant Source</u>	<u>Acceptance Total</u>	<u>Acceptance Total</u>	<u>YTD</u>
Federal Government	\$50,946,132	\$50,946,132	70.5%
State of Michigan	\$2,302,836	\$2,302,836	3.2%
Other	\$4,167,647	\$4,167,647	5.8%
Industry/CO	\$2,307,789	\$2,307,789	3.2%
Foundation	\$11,641,510	\$11,641,510	16.1%
Association	\$841,127	\$841,127	1.2%
<b>TOTAL</b>	<b>\$72,207,041</b>	<b>\$72,207,041</b>	<b>100%</b>

Non-Research			
	06/05/12-08/21/12	12-13	% of Total
<u>Gift/Grant Source</u>	<u>Acceptance Total</u>	<u>Acceptance Total</u>	<u>YTD</u>
Federal Government	\$13,251,130	\$13,251,130	27.9%
State of Michigan	\$1,813,907	\$1,813,907	3.8%
Other	\$28,588,179	\$28,588,179	60.3%
Industry/CO	\$780,593	\$780,593	1.6%
Foundation	\$2,671,840	\$2,671,840	5.6%
Association	\$342,652	\$342,652	0.7%
<b>TOTAL</b>	<b>\$47,448,301</b>	<b>\$47,448,301</b>	<b>100%</b>

Total			
	06/05/12-08/21/12	12-13	% of Total
<u>Gift/Grant Source</u>	<u>Acceptance Total</u>	<u>Acceptance Total</u>	<u>YTD</u>
Federal Government	\$64,197,262	\$64,197,262	53.6%
State of Michigan	\$4,116,743	\$4,116,743	3.4%
Other	\$32,755,826	\$32,755,826	27.4%
Industry/CO	\$3,088,382	\$3,088,382	2.6%
Foundation	\$14,313,351	\$14,313,351	12.0%
Association	\$1,183,779	\$1,183,779	1.0%
<b>TOTAL</b>	<b>\$119,655,342</b>	<b>\$119,655,342</b>	<b>100%</b>

#### # OF AWARDS

Research			
	06/05/12-08/21/12	12-13	% of Total
<u>Gift/Grant Source</u>	<u>Acceptance Total</u>	<u>Acceptance Total</u>	<u>YTD</u>
Federal Government	251	251	48.5%
State of Michigan	21	21	4.1%
Other	61	61	11.8%
Industry/CO	69	69	13.3%
Foundation	43	43	8.3%
Association	72	72	13.9%
<b>TOTAL</b>	<b>517</b>	<b>517</b>	<b>100%</b>

Non-Research			
	06/05/12-08/21/12	12-13	% of Total
<u>Gift/Grant Source</u>	<u>Acceptance Total</u>	<u>Acceptance Total</u>	<u>YTD</u>
Federal Government	72	72	34.8%
State of Michigan	13	13	6.3%
Other	30	30	14.5%
Industry/CO	69	69	33.3%
Foundation	15	15	7.2%
Association	8	8	3.9%
<b>TOTAL</b>	<b>207</b>	<b>207</b>	<b>100%</b>

Total			
	06/05/12-08/21/12	12-13	% of Total
<u>Gift/Grant Source</u>	<u>Acceptance Total</u>	<u>Acceptance Total</u>	<u>YTD</u>
Federal Government	323	323	44.6%
State of Michigan	34	34	4.7%
Other	91	91	12.6%
Industry/CO	138	138	19.1%
Foundation	58	58	8.0%
Association	80	80	11.0%
<b>TOTAL</b>	<b>724</b>	<b>724</b>	<b>100%</b>

## Current Year / Previous Year

### Gift & Grant Awards

Meeting Date: 9/7/2012

#### AWARD TOTALS

Research			
<u>Gift/Grant Source</u>	<u>05/24/11-08/26/11</u>	<u>06/05/12-08/21/12</u>	<u>% Change</u>
Federal Government	\$59,866,040	\$50,946,132	-14.9%
State of Michigan	\$719,683	\$2,302,836	220.0%
Other	\$4,832,398	\$4,167,647	-13.8%
Industry/CO	\$2,740,832	\$2,307,789	-15.8%
Foundation	\$12,106,209	\$11,641,510	-3.8%
Association	\$1,051,334	\$841,127	-20.0%
<b>TOTAL</b>	<b>\$81,316,495</b>	<b>\$72,207,041</b>	<b>-11%</b>

Non-Research			
<u>Gift/Grant Source</u>	<u>05/24/11-08/26/11</u>	<u>06/05/12-08/21/12</u>	<u>% Change</u>
Federal Government	\$10,781,700	\$13,251,130	22.9%
State of Michigan	\$804,501	\$1,813,907	125.5%
Other	\$29,146,983	\$28,588,179	-1.9%
Industry/CO	\$923,443	\$780,593	-15.5%
Foundation	\$1,734,243	\$2,671,840	54.1%
Association	\$389,626	\$342,652	-12.1%
<b>TOTAL</b>	<b>\$43,780,497</b>	<b>\$47,448,301</b>	<b>8%</b>

Total			
<u>Gift/Grant Source</u>	<u>05/24/11-08/26/11</u>	<u>06/05/12-08/21/12</u>	<u>% Change</u>
Federal Government	\$70,647,740	\$64,197,262	-9.1%
State of Michigan	\$1,524,184	\$4,116,743	170.1%
Other	\$33,979,381	\$32,755,826	-3.6%
Industry/CO	\$3,664,275	\$3,088,382	-15.7%
Foundation	\$13,840,452	\$14,313,351	3.4%
Association	\$1,440,960	\$1,183,779	-17.9%
<b>TOTAL</b>	<b>\$125,096,992</b>	<b>\$119,655,342</b>	<b>-4%</b>

#### # OF AWARDS

Research			
<u>Gift/Grant Source</u>	<u>05/24/11-08/26/11</u>	<u>06/05/12-08/21/12</u>	<u>% Change</u>
Federal Government	255	251	-1.6%
State of Michigan	18	21	16.7%
Other	58	61	5.2%
Industry/CO	125	69	-44.8%
Foundation	37	43	16.2%
Association	53	72	35.8%
<b>TOTAL</b>	<b>546</b>	<b>517</b>	<b>-5%</b>

Non-Research			
<u>Gift/Grant Source</u>	<u>05/24/11-08/26/11</u>	<u>06/05/12-08/21/12</u>	<u>% Change</u>
Federal Government	68	72	5.9%
State of Michigan	11	13	18.2%
Other	42	30	-28.6%
Industry/CO	46	69	50.0%
Foundation	20	15	-25.0%
Association	5	8	60.0%
<b>TOTAL</b>	<b>192</b>	<b>207</b>	<b>8%</b>

Total			
<u>Gift/Grant Source</u>	<u>05/24/11-08/26/11</u>	<u>06/05/12-08/21/12</u>	<u>% Change</u>
Federal Government	323	323	0.0%
State of Michigan	29	34	17.2%
Other	100	91	-9.0%
Industry/CO	171	138	-19.3%
Foundation	57	58	1.8%
Association	58	80	37.9%
<b>TOTAL</b>	<b>738</b>	<b>724</b>	<b>-2%</b>

**Top 10 Awards for the September 07, 2012 BOT Meeting**

<b>Rank</b>	<b>Funding Type</b>	<b>Award Amount</b>	<b>First PI</b>	<b>Grantor</b>	<b>Dept</b>	<b>New or Revision</b>	<b>Function</b>	<b>Project Dates</b>	<b>Title</b>
1	Federal Government	\$2,662,192	Buell, Carol	NATL SCIENCE FOUNDATION	PLANT BIOLOGY CNS	New	Research	10/1/2012 9/30/2016	UNRAVELING THE HETEROZYGOSITY, ALLELIC COMPOSITION, AND COPY NUMBER VARIATION OF POTATO
2	Federal Government	\$2,431,897	Shipman, Richard	EDUCATION U.S. DEPT OF	FINANCIAL AID	New	Education	7/1/2012 6/30/2013	FEDERAL WORKSTUDY PROGRAM
3	Foundation	\$2,400,000	Gray, James	MSU FOUNDATION	RESEARCH & GRADUATE STUDIES VICE PRES	New	Research	7/1/2012 6/30/2013	CAPACITY BUILDING (RC066504, RC066597)
4	Federal Government	\$2,125,000	Morelli, Donald	ENERGY US DEPT OF	CHEMICAL ENGINEERING & MATERIALS SCIENCE		Research	8/1/2009 7/31/2013	REVOLUTIONARY MATERIALS FOR SOLID STATE ENERGY CONVERSION: A DOE ENERGY FRONTIER RESEARCH CENTER (EFRC)
5	Foundation	\$1,940,000	Gray, James	MSU FOUNDATION	RESEARCH & GRADUATE STUDIES VICE PRES	New	Research	7/1/2012 6/30/2013	MSU INNOVATION CENTER / MSU TECHNOLOGIES (RG073885)
6	Foundation	\$1,599,282	Foster-Fishman, Pennie	KELLOGG W K FOUNDATION	PSYCHOLOGY SOCIAL SCIENCE	New	Research	4/1/2012 3/31/2014	THE BATTLE CREEK EXCHANGE
7	Federal Government	\$1,573,994	Harkema, Jack	ENVIRONMENTAL PROTECTION AGENCY	INTEGRATIVE TOXICOLOGY, CENTER FOR	New	Research	1/1/2011 12/31/2015	GREAT LAKES AIR CENTER FOR INTEGRATIVE ENVIRONMENTAL RESEARCH (GLACIER)
8	Foundation	\$1,400,000	Gray, James	MSU FOUNDATION	RESEARCH & GRADUATE STUDIES VICE PRES	New	Research	7/1/2012 6/30/2013	STRATEGIC PARTNERSHIP GRANT (RC066533)
9	Federal Government	\$1,390,000	Brock, Raymond	NATL SCIENCE FOUNDATION	PHYSICS-ASTRONOMY		Research	8/1/2011 7/31/2014	INVESTIGATIONS IN ELEMENTARY PARTICLE PHYSICS AND PARTICLE ASTROPHYSICS
10	Foundation	\$1,364,875	Maredia, Karimbhai	GATES - BILL AND MELINDA FOUNDATION	ENTOMOLOGY AGRICULTURE AND NATURAL RES	New	Education	7/6/2009 12/31/2014	STRENGTHENING BIOTECHNOLOGY REGULATORY CAPACITY IN NIGERIA
		<b>\$18,887,240</b>							

**Gift, Grant and Contract Report  
Board Of Trustees  
September 2012**

	Amount	Donor	Director	Unit	Purpose
<b>COLLEGE OF AGRICULTURE &amp; NATURAL RESOURCES</b>					
1	\$10,800	AQUATROLS CORP OF AMERICA	Nikolai, Thomas	AGRICULTURAL TECHNOLOGY INSTITUTE	GOLF COURSE TURF GRASS MANAGEMENT.
2	\$7,500	BASF CORPORATION	Nikolai, Thomas	AGRICULTURAL TECHNOLOGY INSTITUTE	GOLF COURSE TURF GRASS MANAGEMENT.
3	\$9,500	MICH TURFGRASS FOUNDATION	Nikolai, Thomas	AGRICULTURAL TECHNOLOGY INSTITUTE	TURFGRASS TESTING
4	\$8,398	INTL FOOD POLICY RESEARCH INSTITUTE	Dillon, Andrew	AGRICULTURAL, FOOD & RESOURCE ECONOMICS	EXPERIMENTAL ESTIMATES OF A WORKPLACE MALARIA TESTING AND TREATMENT PROGRAM ON WORKER EARNINGS AND PRODUCTIVITY.
5	\$32,252	INTL INST FOR TROPICAL AGRICULTURE	Donovan, Cynthia	AGRICULTURAL, FOOD & RESOURCE ECONOMICS	MSU/IITA JUMPSTART ON VALUE CHAIN ANALYSIS OF GRAIN LEGUMES IN EASTERN AND SOUTHERN AFRICA
6	\$400,000	INTERNATIONAL FUND FOR AGRICULTURAL DEVELOPMENT OF THE UNITED NATIONS	Haggblade, Steven	AGRICULTURAL, FOOD & RESOURCE ECONOMICS	CAPACITY DEVELOPMENT FOR MODERNIZING AFRICAN FOOD SYSTEMS (MAFS)
7	\$364,868	OHIO STATE UNIVERSITY	Haggblade, Steven	AGRICULTURAL, FOOD & RESOURCE ECONOMICS	COLLABORATIVE RESEARCH AND CAPACITY BUILDING OF SOKOINE UNIVERSITY OF AGRICULTURE AND THE NATIONAL AGRICULTURAL RESEARCH SYSTEM
8	\$995,145	SWEDISH INTL DEVELOPMENT AGENCY	Jayne, Thomas	AGRICULTURAL, FOOD & RESOURCE ECONOMICS	INSTITUTION BUILDING IN SUPPORT OF IAPRI
9	\$24,024	MI STATE OF	Miller, Steven	AGRICULTURAL, FOOD & RESOURCE ECONOMICS	REGULATORY FORECASTING
10	\$857,752	AGENCY FOR INTERNATL DEVELOPMENT	Tschirley, David	AGRICULTURAL, FOOD & RESOURCE ECONOMICS	STRENGTHENING MOZAMBICAN CAPACITY TO HARNESS TECHNOLOGY; MARKETS AND POLICIES FOR ACCELERATED PRODUCTIVITY GROWTH AND PO
11	\$7,200	MICH SOYBEAN PROMOTION COMMITTEE	Harrigan, Timothy	BIOSYSTEMS & AGRICULTURAL ENGINEERING	EVALUATION OF VERTICAL TILLAGE TOOLS FOR RESIDUE MANAGEMENT, MANURE INCORPORATION AND SEEDING COVER CROPS.
12	\$84,617	ILSI N. AMER TECH COMM ON FOOD MICROBIO	Jeong, Sanghyup	BIOSYSTEMS & AGRICULTURAL ENGINEERING	USING HIGH-FREQUENCY NANO-AMPLITUDE MECHANICAL VIBRATION FOR PREVENTING AND REDUCING SALMONELLA ATTACHMENT ON DRY SURFACES

**Gift, Grant and Contract Report  
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	<b>Amount</b>	<b>Donor</b>	<b>Director</b>	<b>Unit</b>	<b>Purpose</b>
13	\$22,998	METNA CO.	Liu, Yan	BIOSYSTEMS & AGRICULTURAL ENGINEERING	FIRST GENERATION OF CONTROLLED-RELEASE BACTERIOCINS/ANTI-MICROBIALS
14	\$237,445	USDA - NATIONAL INSTITUTE OF FOOD AND AGRICULTURE	Loveridge, Scott	CANR PUBLIC SERVICE ACTIVITIES	NORTH CENTRAL REGIONAL CENTER FOR RURAL DEVELOPMENT
15	\$345,000	ENERGY US DEPT OF	Cole, James	CENTER FOR MICROBIAL ECOLOGY - ANR	THE RIBOSOMAL DATABASE PROJECT: SEQUENCES AND TOOLS FOR MICROBIAL ANALYSIS
16	\$49,900	MI ENVIRONMENTAL QUALITY	Bartholic, Jon	COMMUNITY, AG, RECREATION & RES STUDIES	CONTINUATION OF RC069683 MI DEQ JOINT FUND AGREEMENT CHANGE NOTICE #1 FOR CONTRACT 071B8200215
17	\$28,200	US GEOLOGICAL SURVEY	Bartholic, Jon	COMMUNITY, AG, RECREATION & RES STUDIES	DEVELOPMENT OF A WEB-BASED TOOLS WORKSHOP
18	\$200,086	US DEPT AGRICULTURE	Clay, Daniel	COMMUNITY, AG, RECREATION & RES STUDIES	AFRICA SPS TECHNICAL ASSISTANCE
19	\$40,500	US DEPT AGRICULTURE	Mahoney, Edward	COMMUNITY, AG, RECREATION & RES STUDIES	USDA'S NATIONAL FARMERS MARKET DIRECTORY -- 2012 UPDATE
20	\$27,496	MICHIGAN FITNESS FOUNDATION	Scott, Anne	COMMUNITY, AG, RECREATION & RES STUDIES	SCHOOL GARDEN AND MYGARDEN CURRICULUM ASSISTANCE
21	\$10,274	KELLOGG W K FOUNDATION	Wright, David	COMMUNITY, AG, RECREATION & RES STUDIES	W.K. KELLOGG CHAIR IN FOOD, SOCIETY AND SUSTAINABILITY AT MICHIGAN STATE UNIVERSITY
22	\$12,100	FLORIDA UNIV OF	Cognato, Anthony	ENTOMOLOGY AGRICULTURE AND NATURAL RES	SYSTEMATIC INTERNSHIP ON BARK BEETLES (SCOLYTINAE)
23	\$355,614	NATL INST GENERAL MEDICAL SCIENCES	Dong, Ke	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MOLECULAR MECHANISMS OF ACTION AND RESISTANCE OF SODIUM CHANNEL-TARGETING INSECTICIDES
24	\$11,000	MICHIGAN APPLE COMMITTEE	Grieshop, Matthew	ENTOMOLOGY AGRICULTURE AND NATURAL RES	DEVELOPMENT AND DELIVERY OF A SUSTAINABLE WEED, NUTRIENT, AND INSECT MANAGEMENT TECHNIQUE FOR MICHIGAN APPLE GROWERS
25	\$11,000	MICHIGAN APPLE COMMITTEE	Grieshop, Matthew	ENTOMOLOGY AGRICULTURE AND NATURAL RES	DEVELOPMENT OF AN ATTRACT AND KILL APPROACH FOR ORIENTAL FRUIT MOTH

**Gift, Grant and Contract Report  
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	<b>Amount</b>	<b>Donor</b>	<b>Director</b>	<b>Unit</b>	<b>Purpose</b>
26	\$9,761	THE CERES TRUST	Grieshop, Matthew	ENTOMOLOGY AGRICULTURE AND NATURAL RES	CONTROL OF PLUM CURCULIO AND CODLING MOTH USING STRIP CULTIVATION IN ORGANIC APPLES
27	\$20,000	MICHIGAN APPLE COMMITTEE	Gut, Larry	ENTOMOLOGY AGRICULTURE AND NATURAL RES	EFFECTIVENESS OF INSECTICIDES AND MANAGEMENT PROGRAM FOR APPLE PESTS
28	\$10,900	MICHIGAN APPLE COMMITTEE	Gut, Larry	ENTOMOLOGY AGRICULTURE AND NATURAL RES	SURVEYING FOR CRITICAL INVASIVE OR EMERGING INSECT PESTS
29	\$5,600	USDA - AGRI RESEARCH SERV US DEPT AGR	Hollingworth, Robert	ENTOMOLOGY AGRICULTURE AND NATURAL RES	WEED CONTROL FOR MINOR AND SPECIALTY CROPS
30	\$8,750	MBG MARKETING	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	RESPONDING TO SPOTTED WING DROSOPHILA ARRIVAL IN MICHIGAN BLUEBERRIES-2012
31	\$10,000	NATL GRAPE COOPERATIVE ASSN	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MANAGING INVASIVE PESTS IN THE CONTEXT OF ONGOING INSECT CONTROL PROGRAMS FOR JUICE GRAPES
32	\$8,000	NATL GRAPE COOPERATIVE ASSN	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MICHIGAN VINEYARD IPM EXTENSION PROGRAM
33	\$12,000	NATL GRAPE COOPERATIVE ASSN	Jenkins, Paul	ENTOMOLOGY AGRICULTURE AND NATURAL RES	SUPPORT FOR THE GRAPE AND WINE INTEGRATOR AT MICHIGAN STATE UNIVERSITY
34	\$1,364,875	GATES - BILL AND MELINDA FOUNDATION	Maredia, Karimbhai	ENTOMOLOGY AGRICULTURE AND NATURAL RES	STRENGTHENING BIOTECHNOLOGY REGULATORY CAPACITY IN NIGERIA
35	\$19,954	USDA - FOREIGN AG SER	Maredia, Karimbhai	ENTOMOLOGY AGRICULTURE AND NATURAL RES	FOOD SAFETY TRAINING PROGRAM FOR FIVE COCHRAN FELLOWS FROM NIGERIA, GHANA, AND ALGERIA, JULY 21-28, 2012.
36	\$12,962	USDA - FOREIGN AG SER	Maredia, Karimbhai	ENTOMOLOGY AGRICULTURE AND NATURAL RES	FOOD SAFETY 2012 USDA COCHRAN FELLOWSHIP PROGRAM FOR THREE PARTICIPANTS FROM LATIN AMERICA (COSTA RICA AND NICARAGUA), JULY 21-28-2012.
37	\$7,761	USDA - FOREIGN AG SER	Maredia, Karimbhai	ENTOMOLOGY AGRICULTURE AND NATURAL RES	2012 FOOD PROCESSING AND VALUE-ADDITION, JULY 15-20, 2012. PARTICIPANT FROM GEORGIA AND MOLDOVA.
38	\$7,761	USDA - FOREIGN AG SER	Maredia, Karimbhai	ENTOMOLOGY AGRICULTURE AND NATURAL RES	2012 FOOD SAFETY SHORT COURSE, JULY 21- 28, 2012. PARTICIPANT FROM MOLDOVA AND UKRAINE.

**Gift, Grant and Contract Report  
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	<b>Amount</b>	<b>Donor</b>	<b>Director</b>	<b>Unit</b>	<b>Purpose</b>
39	\$7,067	USDA - FOREIGN AG SER	Maredia, Karimbhai	ENTOMOLOGY AGRICULTURE AND NATURAL RES	SHORT COURSE ON AGRICULTURAL BIOTECHNOLOGY FOR FELLOW FROM ALGERIA, SEPTEMBER 8-22, 2012.
40	\$6,957	USDA - FOREIGN AG SER	Maredia, Karimbhai	ENTOMOLOGY AGRICULTURE AND NATURAL RES	2012 AGRICULTURAL BIOTECHNOLOGY SHORT COURSE, SEPTEMBER 9-21, 2012. PARTICIPANT FROM UKRAINE.
41	\$15,000	MICHIGAN DEPARTMENT OF AGRICULTURE	McCullough, Deborah	ENTOMOLOGY AGRICULTURE AND NATURAL RES	INCREASING AWARENESS OF ASIAN LONGHORNED BEETLE TO FACILITATE EARLY DETECTION BY KEY STAKEHOLDERS IN MICHIGAN
42	\$94,493	USDA - FOREST SERVICE	McCullough, Deborah	ENTOMOLOGY AGRICULTURE AND NATURAL RES	THE NATIONAL EMERALD ASH BORER WEB SITE AND EAB DISPLAY KITS
43	\$8,500	USDA - FOREST SERVICE	Merritt, Richard	ENTOMOLOGY AGRICULTURE AND NATURAL RES	ORGANIC-MATTER DECOMPOSITION AMONG PLANT SPECIES AND POND TYPES OF THE COPPER RIVER DELTA
44	\$18,000	DUPONT AGRICULTURAL PRODUCTS	Mota-Sanchez, David	ENTOMOLOGY AGRICULTURE AND NATURAL RES	DUPONT TESTING AGREEMENT
45	\$25,500	GOWAN COMPANY	Smitley, David	ENTOMOLOGY AGRICULTURE AND NATURAL RES	GREENHOUSE INSECTICIDE DEVELOPMENT RESEARCH
46	\$9,500	MICH TURFGRASS FOUNDATION	Smitley, David	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MANAGEMENT OF GRUBS AND EUROPEAN CRANE FLY IN MICHIGAN
47	\$19,000	SYNGENTA CROP PROTECTION INC	Smitley, David	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TURFGRASS AND LANDSCAPE INSECT CONTROL
48	\$10,000	SYNGENTA CROP PROTECTION INC	Smitley, David	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TURFGRASS PEST MANAGEMENT
49	\$10,492	BASF CORPORATION	Szendrei, Zsofia	ENTOMOLOGY AGRICULTURE AND NATURAL RES	BASF SERVICES AGREEMENT
50	\$74,242	US DEPT AGRICULTURE	Szendrei, Zsofia	ENTOMOLOGY AGRICULTURE AND NATURAL RES	DEVELOPMENT OF AN INTEGRATED PEST MANAGEMENT PROGRAM FOR THE ASPARAGUS MINER (OPHIOMYIA SIMPLEX): MITIGATING A THREAT TO THE NATIONAL ASPARAGUS INDUSTRY
51	\$36,313	USDA - AGRI RESEARCH SERV US DEPT AGR	Szendrei, Zsofia	ENTOMOLOGY AGRICULTURE AND NATURAL RES	UNDERSTANDING AND MANAGING INSECTICIDE RESISTANCE IN THE COLORADO POTATO BEETLE AND MANAGEMENT OPTIONS FOR RESISTANT BEETLES

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	<b>Amount</b>	<b>Donor</b>	<b>Director</b>	<b>Unit</b>	<b>Purpose</b>
52	\$10,500	MICHIGAN APPLE COMMITTEE	Whalon, Mark	ENTOMOLOGY AGRICULTURE AND NATURAL RES	CONTROL OF THE MICHIGAN APPLE PEST PLUM CURCULIO WITH A NOVEL STRAIN OF BACILLUS THURINGIENSIS
53	\$63,000	USDA - FOREST SERVICE	Ziegler, Amos	ENTOMOLOGY AGRICULTURE AND NATURAL RES	EMERALD ASH BORER RELEASE SITE MONITORING AND EVALUATION DATA MANAGEMENT
54	\$78,363	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Bence, James	FISHERIES & WILDLIFE	IMPROVING FISHERY STOCK ASSESSMENTS IN THE GREAT LAKES
55	\$188,829	US GEOLOGICAL SURVEY	Infante, Dana	FISHERIES & WILDLIFE	AQUATIC GAP ANALYSIS PROGRAM: DEVELOPING DATA AND APPROACHES TO SUPPORT CONSERVATION OF AQUATIC ECOSYSTEMS ACROSS THE NATION
56	\$51,616	US GEOLOGICAL SURVEY	Infante, Dana	FISHERIES & WILDLIFE	A REGIONAL DECISION SUPPORT TOOL FOR IDENTIFYING VULNERABILITIES OF RIVERINE HABITAT AND FISHES TO CLIMATE CHANGE
57	\$25,181	US GEOLOGICAL SURVEY	Infante, Dana	FISHERIES & WILDLIFE	AQUATIC GAP ANALYSIS PROGRAM: DEVELOPING DATA AND APPROACHES FOR CONSERVING AQUATIC ECOSYSTEMS OF PUERTO RICO.
58	\$5,950	USDA - FOREST SERVICE	Infante, Dana	FISHERIES & WILDLIFE	IMPACTS OF DECREASE STREAM FLOW ON NATIVE SHRIMP POPULATIONS (ATYOIDA BISULCATA) IN HAWAIIAN STREAMS
59	\$67,551	REGENTS OF THE UNIVERSITY OF MICHIGAN	Murphy, Cheryl	FISHERIES & WILDLIFE	CELL-FREE NEUROCHEMICAL SCREENING ASSAYS TO PREDICT ADVERSE EFFECTS IN MAMMALS, FISH, AND BIRDS
60	\$8,350	NATL SCIENCE FOUNDATION	Peacor, Scott	FISHERIES & WILDLIFE	NONCONSUMPTIVE PREDATOR EFFECTS IN A PELAGIC COMMUNITY: AN INTEGRATED LABORATORY; FIELD AND MODELING APPROACH
61	\$50,000	FRONTIER RENEWABLE RESOURCES LLC	Porter, William	FISHERIES & WILDLIFE	MICHIGAN BIOFUELS INITIATIVE – PROPOSED WILDLIFE COMPONENT
62	\$30,000	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Porter, William	FISHERIES & WILDLIFE	BOONE AND CROCKETT - GRADUATE STUDENT
63	\$21,064	ACCESS BUSINESS GROUP	Rose, Joan	FISHERIES & WILDLIFE	ANALYSIS OF BIOFILM MICROBIAL ECOLOGY OF BIOFILTER UNIT
64	\$59,871	MICHIGAN UNIVERSITY OF	Rose, Joan	FISHERIES & WILDLIFE	IDENTIFY LAND USE TIPPING POINTS THAT THREATEN GREAT LAKES ECOSYSTEMS
65	\$22,930	WISCONSIN DEPT. OF NATURAL RESOURCES	Roth, Brian	FISHERIES & WILDLIFE	REEXAMINATION OF WISCONSIN'S CEDED TERRITORY WALLEYE MANAGEMENT POLICIES PART 2

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66	\$13,560	WISCONSIN DEPT. OF NATURAL RESOURCES	Roth, Brian	FISHERIES & WILDLIFE	REEXAMINATION OF WISCONSIN'S CEDED TERRITORY WALLEYE MANAGEMENT POLICIES
67	\$45,000	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Scribner, Kim	FISHERIES & WILDLIFE	GENETIC RESEARCH AND SUPPORT FOR WILDLIFE AND REGULATORY PROGRAMS
68	\$209,914	NATL SCIENCE FOUNDATION	Soranno, Patricia	FISHERIES & WILDLIFE	THE EFFECT OF CROSS-SCALE INTERACTIONS ON FRESHWATER ECOSYSTEM STATE ACROSS SPACE AND TIME
69	\$79,500	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Taylor, William	FISHERIES & WILDLIFE	STEWART COMMUNICATIONS
70	\$38,000	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Taylor, William	FISHERIES & WILDLIFE	CLIMATE CHANGE
71	\$35,399	MICHIGAN UNIVERSITY OF	Taylor, William	FISHERIES & WILDLIFE	MICHIGAN SEA GRANT ADMINISTRATION
72	\$120,737	US GEOLOGICAL SURVEY	Taylor, William	FISHERIES & WILDLIFE	DEVELOPING MODELS TO UNDERSTAND AND PREDICT FISH PRODUCTION IN LAKES OF THE WORLD
73	\$76,750	NATL CANCER INSTITUTE -NIH/PHS	Fenton, Jenifer	FOOD SCIENCE & HUM NUTRITION ANR	EFFECT OF DIETARY OMEGA 3 FATTY ACIDS ON COLITIS AND COLON CANCER DEVELOPMENT IN SMAD3-/- MICE
74	\$37,644	MICHIGAN NUTRITION NETWORK	Hoerr, Sharon	FOOD SCIENCE & HUM NUTRITION ANR	EAT HEALTHY - PARENT GUIDE FOR FEEDING PRESCHOOLERS
75	\$36,165	MICHIGAN NUTRITION NETWORK	Hoerr, Sharon	FOOD SCIENCE & HUM NUTRITION ANR	NUTRITION SCREENER FOR CHILD DIET AND ACTIVITY
76	\$30,000	KELLOGG W K COMPANY	Ng, Perry	FOOD SCIENCE & HUM NUTRITION ANR	WHEAT QUALITY RESEARCH
77	\$230,250	NATL INST OF ENVIRON HEALTH SCI -NIH/PHS	Pestka, James	FOOD SCIENCE & HUM NUTRITION ANR	DIETARY LIPIDS AND SILICA-ACCELERATED AUTOIMMUNITY
78	\$499,860	USDA - NATIONAL INSTITUTE OF FOOD AND AGRICULTURE	Pestka, James	FOOD SCIENCE & HUM NUTRITION ANR	PREDICTION AND MITIGATION OF FOODBORNE DISEASE POTENTIAL OF EMERGING TRICHOHECENE MYCOTOXINS
79	\$33,052	LANSING REGIONAL SISTER CITIES COMMISSION	Song, Won	FOOD SCIENCE & HUM NUTRITION ANR	ASAN-LANS STUDENT EXCHANGE 2012
80	\$52,649	MICHIGAN FITNESS FOUNDATION	Weatherspoon, Lorraine	FOOD SCIENCE & HUM NUTRITION ANR	A SCHOOL-BASED PHYSICAL ACTIVITY AND NUTRITION EDUCATION PROGRAM: TARGET POPULATION NEEDS, BARRIERS AND FACILITATORS
81	\$45,000	NATL SCIENCE FOUNDATION	Kobe, Richard	FORESTRY	LTREB: WOODY SEEDLING DYNAMICS IN A WET TROPICAL FOREST: MECHANISMS OF SPECIES COEXISTENCE

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82	\$91,000	INST OF INTERNATL EDUCATION	Neisler, Gretchen	INTERNATIONAL AGRICULTURE INSTITUTE ANR	ENGAGING AN AMERICAN LAND GRANT UNIVERSITY IN THE RECONSTRUCTION OF IRAQ - JULY-SEPT 2012
83	\$30,857	INGHAM COUNTY LAND BANK	Borowy, Tyler	LAND POLICY INSTITUTE - ANR	UNDERSTANDING THE ECONOMIC AND SOCIAL BENEFITS OF THE INGHAM COUNTY LAND BANK.
84	\$625,000	MICH STATE HOUSING DEVELOPMENT AUTHORITY	Wyckoff, Mark	LAND POLICY INSTITUTE - ANR	MI PLACE INITIATIVE PROGRAM
85	\$79,501	MICH STATE HOUSING DEVELOPMENT AUTHORITY	Wyckoff, Mark	LAND POLICY INSTITUTE - ANR	PLACEMAKING CURRICULUM
86	\$18,454	POKAGON BAND OF POTAWATOMI INDIANS	Henry, Gordon	NATIVE AMERICAN INSTITUTE	POKAGON BAND AGRICULTURAL LAND ASSESSMENT
87	\$20,000	MICH SOYBEAN PROMOTION COMMITTEE	Chilvers, Martin	PLANT PATHOLOGY ANR	GREENHOUSE AND ASSISTING WITH IN-FIELD SCREENING OS SOYBEAN GERMPLASM FOR SDS RESISTANCE.
88	\$20,000	MICH SOYBEAN PROMOTION COMMITTEE	Chilvers, Martin	PLANT PATHOLOGY ANR	INTERACTION OF SOYBEAN SUDDEN DEATH SYNDROME AND SCN ON ROOT HEALTH, DISTRIBUTION AND PREVELANCE OF SDS, ASSESSMENT OF PATHOGEN VIRULENCE AND SENSITIVITY TO NEW FUNGICIDES.
89	\$9,000	MICH SOYBEAN PROMOTION COMMITTEE	Chilvers, Martin	PLANT PATHOLOGY ANR	IN FIELD SCREENING OF ADVANCED BREEDING LINES AND MAPPING POPULATIONS FOR WHITE MOLD RESISTANCE.
90	\$15,913	NORTH CENTRAL SOYBEAN RESEARCH PROGRAM	Chilvers, Martin	PLANT PATHOLOGY ANR	THE SUDDEN DEATH SYNDROME RESEARCH ALLIANCE.
91	\$242,567	NATL SCIENCE FOUNDATION	Day, Robert	PLANT PATHOLOGY ANR	COLLABORATIVE RESEARCH: ARABIDOPSIS 2010: DISSECTING CORTICAL ACTIN FUNCTION DURING ARABIDOPSIS-PSEUDOMONAS INTERACTIONS
92	\$10,000	MDOA HORTICULTURE FUND	Fulbright, Dennis	PLANT PATHOLOGY ANR	EVALUATION OF SPECIES SUSCEPTIBILITY AND CHEMICAL MANAGEMENT OF PHOMOPSIS SPRUCE DECLINE.
93	\$575,940	US DEPT AGRICULTURE	Hammerschmidt, R	PLANT PATHOLOGY ANR	NORTH CENTRAL PLANT DIAGNOSTIC NETWORK
94	\$8,842	BEET SUGAR DEVELOPMENT FOUND	Hanson, Linda	PLANT PATHOLOGY ANR	SUGAR BEET RESEARCH.
95	\$20,000	MICH SOYBEAN PROMOTION COMMITTEE	Hao, Jianjun	PLANT PATHOLOGY ANR	OPTIMIZING CONDITIONS FOR SOYBEAN WHITE MOLD CONTROL USING BIOLOGICAL CONTROL.
96	\$61,000	E. I. DU PONT DE NEMOURS & COMPANY	Kirk, William	PLANT PATHOLOGY ANR	MANAGEMENT OF SOIL, SEED AND FOLIAR DISEASES OF POTATO CROPS IN MICHIGAN.

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97	\$14,200	GOWAN COMPANY	Kirk, William	PLANT PATHOLOGY ANR	MANAGEMENT OF SOIL, SEED & FOLIAR DISEASES OF POTATO CROPS IN MICHIGAN.
98	\$12,500	SYNGENTA CROP PROTECTION INC	Kirk, William	PLANT PATHOLOGY ANR	MANAGEMENT OF SOIL, SEED AND FOLIAR DISEASES OF POTATO CROPS IN MICHIGAN.
99	\$10,753	US DEPT AGRICULTURE	Kirk, William	PLANT PATHOLOGY ANR	IDENTIFYING AND CHARACTERIZING RESISTANCE FROM DIVERSE POTATO GERMPLASM SOURCES TO HIGHLY AGGRESIVE STRAINS OF LATE BLIGHT.
100	\$8,000	DUPONT CROP PROTECTION	Schilder, Annemiek	PLANT PATHOLOGY ANR	EPIDEMIOLOGY & INTEGRATED MANAGEMENT OF SMALL FRUIT DISEASES.
101	\$5,400	ISK BIOSCIENCES	Vargas, Joseph	PLANT PATHOLOGY ANR	MANAGEMENT OF TURF GRASS DISEASES.
102	\$9,500	MICH TURFGRASS FOUNDATION	Vargas, Joseph	PLANT PATHOLOGY ANR	MANAGEMENT OF TURF GRASS DISEASES.
103	\$500,050	TRI COUNTY REGIONAL PLANNING COMMISSION	Kim, Suk	SCHOOL OF PLANNING,DES,CONSTR UCTION-ANR	MID-MICHIGAN REGIONAL PLAN FOR SUSTAINABLE DEVELOPMENT: IMPROVEMENT AND IMPLEMENTATION
<b>COLLEGE OF ARTS AND LETTERS</b>					
104	\$78,497	INSTITUTION OF INTERNATIONAL EDUCATION	Prestel, David	ARTS & LETTERS DEAN	FULBRIGHT FOREIGN LANGUAGE TEACHING ASSISTANT ORIENTATION PROGRAM PROPOSAL
105	\$20,000	NATL WRITING PROJECT	Swenson, Janet	ARTS & LETTERS DEAN	RED CEDAR WRITING PROJECT: NWP 2012-2013 SEED GRANT PROPOSAL: PROFESSIONAL DEVELOPMENT IN A HIGH-NEED SCHOOL
106	\$20,000	NATL WRITING PROJECT CORP.	Swenson, Janet	ARTS & LETTERS DEAN	RED CEDAR WRITING PROJECT: NWP TITLE II TEACHER LEADERSHIP #1 SEED GRANT PROGRAM
107	\$133,948	EDUCATION U.S. DEPT OF	Hoopingarner, Dennie	LANGUAGE LEARNING CENTER	WEB 2.0 TECHNOLOGY AND INSTRUCTED LANGUAGE ACQUISITION
108	\$335,001	EDUCATION U.S. DEPT OF	Gass, Susan	LINGUISTICS,GERM,SLA VIC,ASIAN,AFR LANG	TITLE VI LANGUAGE RESOURCE CENTERS PROGRAM
<b>COLLEGE OF COMMUNICATION ARTS AND SCIENCES</b>					
109	\$36,458	NATL INST OF HEALTH - NIH/PHS	Lapinski-Lafaive, Maria	COMMUNICATION	ONE HEALTH: THE ROLE OF EMERGING COMMUNICATION TECHNOLOGY IN HUMAN BEHAVIOR
110	\$42,451	OREGON UNIVERSITY OF	Dilley, Laura	COMMUNICATIVE SCIENCES & DISORDERS - CAS	ACQUISITION OF TEMPORAL PATTERNS IN CHILD SPEECH AND LANGUAGE

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111	\$371,152	NATL INST OF HEALTH - NIH/PHS	Shrivastav, Rahul	COMMUNICATIVE SCIENCES & DISORDERS - CAS	A PSYCHOACOUSTIC APPROACH TO DYSPHONIC VOICE QUALITY PERCEPTION
112	\$279,679	NATL SCIENCE FOUNDATION	Gude, Karl	JOURNALISM	COLLABORATIVE RESEARCH: AUTOMATED AND COMMUNITY-DRIVEN SYNTHESIS OF THE TREE OF LIFE
<b>COLLEGE OF EDUCATION</b>					
113	\$200,000	EDUCATION U.S. DEPT OF	Carlson, John	COUNSELING, EDUC PSYCH & SPEC EDUC	BRINGING SCIENCE INTO PRACTICE WITHIN THE DELIVERY OF PSYCHOLOGICAL SERVICES TO EARLY CHILDHOOD POPULATIONS
114	\$145,232	MI LABOR	Egidio, Rhonda	COUNSELING, EDUC PSYCH & SPEC EDUC	E-LEARN
115	\$147,380	EDUCATION U.S. DEPT OF	Kosciulek, John	COUNSELING, EDUC PSYCH & SPEC EDUC	REHABILITATION COUNSELING: LONG TERM TRAINING GRANT
116	\$505,685	EDUCATION U.S. DEPT OF	Mix, Kelly	COUNSELING, EDUC PSYCH & SPEC EDUC	SPATIAL ABILITY AS A MALLEABLE FACTOR FOR MATH LEARNING
117	\$14,000	PEARSON EDUCATION	Reckase, Mark	COUNSELING, EDUC PSYCH & SPEC EDUC	MULTIDIMENSIONAL ANALYSIS PROCEDURES TO DETERMINE SUBCORES ON A TEST"
118	\$45,000	VARIOUS SCHOOLS	Zhao, Yong	COUNSELING, EDUC PSYCH & SPEC EDUC	CONFUCIUS INSTITUTE CHINESE TEACHER CONTRACTS
119	\$199,976	NATL SCIENCE FOUNDATION	Schneider, Barbara	EDUCATION DEAN	TRANSFORMING INTERESTS IN STEM CAREERS (TISC)
120	\$1,139,932	EDUCATION U.S. DEPT OF	Floden, Robert	EDUCATION POLICY CENTER	LEARNING TO USE ECONOMIC METHODS TO ANSWER QUESTIONS ABOUT EDUCATION: AN INTERDISCIPLINARY TRAINING PROGRAM
121	\$31,315	UNIV OF WISCONSIN - MADISON	Austin, Ann	EDUCATIONAL ADMINISTRATION	IMPACT OF PROFESSIONAL DEVELOPMENT PROGRAMS ON FUTURE STEM FACULTY: A MIXED-METHODS LONGITUDINAL STUDY
122	\$614,000	SRI INTERNATL	Krajcik, Joseph	INST FOR RESEARCH ON MATH AND SCIENCE ED	EFFICACY STUDY OF PROJECT-BASED INQUIRY SCIENCE (PBIS)
123	\$87,052	LANSING COMMUNITY COLLEGE	Powell, John	KINESIOLOGY - ED	ATHLETIC TRAINING SERVICES FOR LANSING COMMUNITY COLLEGE
124	\$765,530	NATL SCIENCE FOUNDATION	Drake, Corey	TEACHER EDUCATION	TEACHERS EMPOWERED TO ADVANCE CHANGE IN MATHEMATICS (TEACH MATH): PREPARING PREK-8 TEACHERS TO CONNECT CHILDREN'S MATHEMATICAL THINKING AND COMMUNITY-BASED FUNDS OF KNOWLEDGE

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125	\$467,659	NATL SCIENCE FOUNDATION	Herbel-Eisenmann, Beth	TEACHER EDUCATION	(M-DISC) MATHEMATICS DISCOURSE IN SECONDARY CLASSROOMS: A CASE-BASED PROFESSIONAL DEVELOPMENT CURRICULUM
126	\$496,482	NATL SCIENCE FOUNDATION	Williams, Latonya	TEACHER EDUCATION	DESIGNING AN INTEGRATED FRAMEWORK FOR GENETICS EDUCATION TO DEVELOP INNOVATIVE CURRICULA AND ASSESSMENTS
<b>COLLEGE OF ENGINEERING</b>					
127	\$80,000	NATL SCIENCE FOUNDATION	Bieler, Thomas	CHEMICAL ENGINEERING & MATERIALS SCIENCE	MATERIALS WORLD NETWORK: CHARACTERIZATION AND MODELING OF THE INTERPLAY BETWEEN GRAIN BOUNDARIES AND HETEROGENEOUS PLASTICITY IN TITANIUM
128	\$17,500	SHEAR FORM INC	Bieler, Thomas	CHEMICAL ENGINEERING & MATERIALS SCIENCE	SEAMLESS NB TUBES FOR SRF CAVITIES
129	\$195,000	ENERGY US DEPT OF	Boehlert, Carl	CHEMICAL ENGINEERING & MATERIALS SCIENCE	SISGR: CHARACTERIZATION AND MODELING OF DEFORMATION INDUCED DAMAGE IN TITANIUM ALLOYS
130	\$52,000	NATL SCIENCE FOUNDATION	Boehlert, Carl	CHEMICAL ENGINEERING & MATERIALS SCIENCE	MATERIALS WORLD NETWORK: UNDERSTANDING THE MICROSTRUCTURAL EVOLUTION AND DEFORMATION BEHAVIOR IN MG-MN-RE ALLOYS
131	\$50,000	JOHNSON CONTROLS INC	Jayaraman, K	CHEMICAL ENGINEERING & MATERIALS SCIENCE	MODELING OF FOAM FLOW IN MOLDING FLEXIBLE POLYURETHANE FOAM
132	\$405,099	NATL SCIENCE FOUNDATION	Lai, Wei	CHEMICAL ENGINEERING & MATERIALS SCIENCE	CRYSTAL STRUCTURE, IONIC CONDUCTION, AND ELECTROCHEMISTRY OF NOVEL GARNET OXIDES LI <sub>5+X</sub> YLA <sub>3</sub> TA <sub>2-X</sub> YZRXSCYO <sub>12</sub>
133	\$39,452	SANDIA NATL LABORATORIES	Lai, Wei	CHEMICAL ENGINEERING & MATERIALS SCIENCE	FABRICATION OF ALL-SOLID-STATE BATTERIES AND MODELING OF PHASE TRANSFORMATION IN BATTERY MATERIALS
134	\$83,199	SEMICONDUCTOR RESEARCH CORP	Lee, Andre	CHEMICAL ENGINEERING & MATERIALS SCIENCE	ELECTROCHEMICAL STUDIES OF CU-X/AL INTERFACES FOR SERVICE RELIABILITY OF WIRE BONDING PACKAGES
135	\$16,177	UBIQUITOUS ENERGY, INC.	Lunt, Richard	CHEMICAL ENGINEERING & MATERIALS SCIENCE	NEAR-INFRARED SELECTIVE SEMICONDUCTORS FOR VISIBLY TRANSPARENT ORGANIC SOLAR CELLS
136	\$371,904	ENERGY US DEPT OF	Miller, Dennis	CHEMICAL ENGINEERING & MATERIALS SCIENCE	NOVEL BIOFUEL FORMULATIONS FOR ENHANCED VEHICLE PERFORMANCE

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137	\$316,070	NATL CORN GROWERS ASSOCIATION	Miller, Dennis	CHEMICAL ENGINEERING & MATERIALS SCIENCE	ETHANOL AS A PLATFORM FOR ADVANCED BIOFUELS AND CHEMICALS PRODUCTION
138	\$2,125,000	ENERGY US DEPT OF	Morelli, Donald	CHEMICAL ENGINEERING & MATERIALS SCIENCE	REVOLUTIONARY MATERIALS FOR SOLID STATE ENERGY CONVERSION: A DOE ENERGY FRONTIER RESEARCH CENTER (EFRC)
139	\$20,000	MICH SOYBEAN PROMOTION COMMITTEE	Narayan, Ramani	CHEMICAL ENGINEERING & MATERIALS SCIENCE	FORMALDEHYDE-FREE PARTICLEBOARDS FROM SOY HULLS
140	\$112,347	STATE UNIV OF NEW YORK RESEARCH FDN	Ofoli, Robert	CHEMICAL ENGINEERING & MATERIALS SCIENCE	PHOTOSYNTHESIS ON A CHIP: MICRO SCALE ENERGY PRODUCTION
141	\$186,453	CALIFORNIA SAN DIEGO UNIVERSITY OF	Sakamoto, Jeff	CHEMICAL ENGINEERING & MATERIALS SCIENCE	BIOENGINEERED SCAFFOLDS FOR SPINAL CORD INJURY
142	\$40,000	FORD MOTOR COMPANY	Sakamoto, Jeff	CHEMICAL ENGINEERING & MATERIALS SCIENCE	HIGHLY ORDERED HIERARCHICAL ELECTRODES FOR LITHIUM-ION CELLS FOR IMPROVED PERFORMANCE, SAFETY AND CHARGE ACCEPTANCE IN ELECTRIC VEHICLES
143	\$299,801	NATL SCIENCE FOUNDATION	Whitehead, Timothy	CHEMICAL ENGINEERING & MATERIALS SCIENCE	SOLVING A STICKY PROBLEM: UNDERSTANDING ENZYME BINDING TO LIGNOCELLULOSIC BIOMASS DURING BIOFUEL PRODUCTION
144	\$29,712	MBI INTERNATL	Worden, R.	CHEMICAL ENGINEERING & MATERIALS SCIENCE	SIBBIOPHARM STAFF TRAINING PROGRAM
145	\$6,000	NATL SCIENCE FOUNDATION	Burgueno, Rigoberto	CIVIL & ENVIRONMENTAL ENGINEERING	COLLABORATIVE RESEARCH: DAMAGE-COMPLAINT INELASTIC DESIGN PARAMETERS FOR PERFORMANCE-BASED-SEISMIC-DESIGN OF SLENDER REINFORCED CONCRETE COLUMNS
146	\$25,452	MILLIKEN AND COMPANY	Kodur, Venkatesh	CIVIL & ENVIRONMENTAL ENGINEERING	FIRE RESISTANCE TESTS TO EVALUATE THE EFFECTIVENESS OF FIRE INSULATION OF FRP-STRENGTHENED REINFORCED CONCRETE BEAMS
147	\$50,000	US FISH & WILDLIFE SERVICE	Li, Shu-Guang	CIVIL & ENVIRONMENTAL ENGINEERING	MODEL GROUNDWATER RECHARGE AREAS FOR THE ENDANGERED HINE'S EMERALD DRAGONFLY
148	\$244,556	ARMY US CORPS OF ENGINEERS	Mantha, Phanikumar	CIVIL & ENVIRONMENTAL ENGINEERING	MODELING THE IMPACTS OF CHICAGO RIVER ON LAKE MICHIGAN: DYNAMICS OF DISSOLVED OXYGEN, BOD, SUSPENDED SOLIDS, CHLORIDE AND TEMPERATURE IN THE NEARSHORE REGION

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149	\$137,588	US GEOLOGICAL SURVEY	Mantha, Phanikumar	CIVIL & ENVIRONMENTAL ENGINEERING	INTERACTIONS BETWEEN INDICATOR BACTERIA, SUSPENDED SEDIMENT AND SUNLIGHT IN THE NEAR-SHORE REGION: AN INTEGRATED APPROACH FOR IMPROVED BEACH CLOSURE FORECASTING
150	\$30,000	TECHNOVA CORPORATION	Soroushian, Parviz	CIVIL & ENVIRONMENTAL ENGINEERING	PROCESSING OF ADHESIVE MATERIALS
151	\$500,000	ENVIRONMENTAL PROTECTION AGENCY	Tarabara, Volodymyr	CIVIL & ENVIRONMENTAL ENGINEERING	AFFINITY-BASED HYDROCYCLONE FILTER FOR OIL-WATER SEPARATION AND OIL SPILL CLEANUP
152	\$254,405	GENERAL ELECTRIC CO	Drzal, Lawrence	COMPOSITE MATERIALS & STRUCTURES CENTER	ADVANCED COMPOSITE TOUGHENING AND COMPONENT MANUFACTURING PROCESS MODELING
153	\$147,061	HYUNDAI MOTOR COMPANY	Drzal, Lawrence	COMPOSITE MATERIALS & STRUCTURES CENTER	DEVELOPMENT OF LOW COST (NON-FOOD BASED) BIOMATERIALS
154	\$45,381	PERFORMANCE POLYMER SOLUTIONS INC.	Drzal, Lawrence	COMPOSITE MATERIALS & STRUCTURES CENTER	DEVELOPMENT OF A STRUCTURAL AND THERMALLY CONDUCTIVE COMPOSITE
155	\$199,996	NATL SCIENCE FOUNDATION	Brown, Titus	COMPUTER SCIENCE AND ENGINEERING	MATERIALS AND WORKSHOPS FOR CYBERINFRASTRUCTURE EDUCATION IN BIOLOGY
156	\$100,000	NATL INST OF STANDARDS & TECHNOLOGY	Jain, Anil	COMPUTER SCIENCE AND ENGINEERING	MEASUREMENT SCIENCE OF BIOMETRICS
157	\$164,988	NAVAL RESEARCH US OFFICE OF USDN	Jain, Anil	COMPUTER SCIENCE AND ENGINEERING	LARGE-SCALE KERNEL-BASED DATA CLUSTERING
158	\$35,000	NARUS, INC.	Tan, Pang-Ning	COMPUTER SCIENCE AND ENGINEERING	UNRESTRICTED GIFT TO SUPPORT RESEARCH IN DEVELOPMENT OF DATA MINING ALGORITHMS FOR TRAFFIC ANALYSIS
159	\$162,379	NATL SCIENCE FOUNDATION	Xing, Guoliang	COMPUTER SCIENCE AND ENGINEERING	CAREER: DESIGN AND ANALYSIS OF PERFORMANCE-CRITICAL WIRELESS SENSOR NETWORKS: A FUSION-CENTRIC APPROACH
160	\$63,231	FRAUNHOFER USA	Asmussen, Jes	ELECTRICAL AND COMPUTER ENGINEERING	FRAUNHOFER RESEARCH CENTER FOR COATING AND LASER APPLICATIONS
161	\$40,000	A. BROWN DESIGN	Chahal, Prem	ELECTRICAL AND COMPUTER ENGINEERING	METAMATERIAL-BASED MEMS PHASE SHIFTERS FOR PHASED ARRAYS
162	\$47,574	JOHNS HOPKINS UNIVERSITY	Chakrabartty, Shantanu	ELECTRICAL AND COMPUTER ENGINEERING	FABRICATION AND TESTING OF GEN-2 AGE MONITORING SENSORS

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163	\$46,922	II-VI FOUNDATION	Grotjohn, Timothy	ELECTRICAL AND COMPUTER ENGINEERING	SYNTHESIS OF DIAMOND FILM MATERIAL FOR ELECTRONIC APPLICATIONS
164	\$380,000	NATL SCIENCE FOUNDATION	Li, Tongtong	ELECTRICAL AND COMPUTER ENGINEERING	NETS: SMALL: ANTI-JAMMING TECHNIQUES FOR SECURE COMMUNICATIONS IN WIRELESS NETWORKS
165	\$250,000	NATL SCIENCE FOUNDATION	Li, Tongtong	ELECTRICAL AND COMPUTER ENGINEERING	COLLABORATIVE RESEARCH: CCSS: CYBER-ENABLED SMART SYSTEMS FOR SEAMLESS SECURE MONITORING AND COMMUNICATIONS
166	\$50,773	NATL SCIENCE FOUNDATION	Li, Wen	ELECTRICAL AND COMPUTER ENGINEERING	CAREER: TOWARD BIOCOMPATIBLE, BI-DIRECTIONAL, AND MULTI-CHANNEL MAGNETIC NEURAL IMPLANTS
167	\$472,667	NATL INST OF HEALTH - NIH/PHS	Mason, Andrew	ELECTRICAL AND COMPUTER ENGINEERING	AUTONOMOUS ELECTROCHEMICAL GAS DETECTION MICROSYSTEM FOR MINE SAFETY
168	\$41,500	MICHIGAN INITIATIVE FOR INNOVATION AND ENTREPRENEURSHIP	Oweiss, Karim	ELECTRICAL AND COMPUTER ENGINEERING	HIGH SPEED BRAIN-MACHINE INTERFACE
169	\$42,239	II-VI FOUNDATION	Peng, Fang	ELECTRICAL AND COMPUTER ENGINEERING	RESEARCH GIFT FROM II-VI FOUNDATION
170	\$35,000	VIRTUAL EM, INC.	Rothwell, Edward	ELECTRICAL AND COMPUTER ENGINEERING	ENERGY EFFICIENCY HF TRANSMIT ANTENNAS UTILIZING PLATFORM COUPLING
171	\$8,000	MASSACHUSETTS INST OF TECHNOLOGY	Shanblatt, Michael	ELECTRICAL AND COMPUTER ENGINEERING	SENIOR CAPSTONE COURSE FOR ECE 480 DESIGN PROJECTS
172	\$50,000	MARYLAND UNIV OF	Tan, Xiaobo	ELECTRICAL AND COMPUTER ENGINEERING	BIO-INSPIRED FLOW SENSING AND CONTROL FOR AUTONOMOUS UNDERWATER VEHICLES
173	\$8,000	NATL SCIENCE FOUNDATION	Verboncoeur, John	ELECTRICAL AND COMPUTER ENGINEERING	CONFERENCE GRANT PROPOSAL FOR 39TH IEEE ICOPS
174	\$184,235	NATL INST OF HEALTH - NIH/PHS	Baek, Seungik	MECHANICAL ENGINEERING	GROWTH AND REMODELING MODEL OF ABDOMINAL AORTIC ANEURYSM: TOWARD CLINICAL APPLICATIONS
175	\$100,000	NATL SCIENCE FOUNDATION	Baek, Seungik	MECHANICAL ENGINEERING	INTEGRATIVE COMPUTATIONAL MODEL FOR MECHANOSENSING AND SUBCELLULAR REMODELING
176	\$35,000	CHEVRON U.S.A. INC.	Benard, Andre	MECHANICAL ENGINEERING	NUMERICAL MODELING OF WET GAS FLOW THROUGH PIPE BENDS

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177	\$10,000	EXA CORPORATION	Foss, John	MECHANICAL ENGINEERING	CONSORTIUM MEMBERSHIP - EXA CORPORATION
178	\$10,000	THE TRANE COMPANY	Foss, John	MECHANICAL ENGINEERING	CONSORTIUM MEMBERSHIP - TRANE
179	\$33,379	VIRGINIA UNIV OF	Jaberi, Farhad	MECHANICAL ENGINEERING	CENTER FOR HYPERSONIC COMBINED CYCLE FLOW PHYSICS
180	\$20,000	XG SCIENCES INC	Koochesfahani, M	MECHANICAL ENGINEERING	RESEARCH GIFT FOR M. KOOCHEFAHANI FLUID DYNAMICS LABORATORY
181	\$7,000	MISSISSIPPI UNIV OF	Liu, Daksin	MECHANICAL ENGINEERING	TESTING AT UNIVERSITY OF MISSISSIPPI'S BLAST AND IMPACT DYNAMICS LABORATORY
182	\$14,866	NATL AERONAUTICS AND SPACE ADM	Loos, Alfred	MECHANICAL ENGINEERING	CHARACTERIZATION OF PETI-9 POLYIMIDE RESIN
183	\$147,168	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Mukherjee, Ranjan	MECHANICAL ENGINEERING	VIBRATION SUPPRESSION STRATEGIES FOR LARGE TENSION-ALIGNED ARRAY STRUCTURES
184	\$119,727	NATL SCIENCE FOUNDATION	Priezjev, Nikolai	MECHANICAL ENGINEERING	INFLUENCE OF CONFINEMENT ON FLOW, DIFFUSION, AND BOUNDARY CONDITIONS IN NANO CHANNELS: A COMBINED QUANTUM DOT IMAGING AND MOLECULAR DYNAMICS SIMULATIONS APPROACH
185	\$95,000	BENTELER AUTOMOTIVE CORPORATION	Schock, Harold	MECHANICAL ENGINEERING	TESTING: THERMAL HEAT EXCHANGER DEVICES
<b>COLLEGE OF HUMAN MEDICINE</b>					
186	\$700,495	ALLIANCE CORPORATION	Holmes, Denise	CHM WEST MICHIGAN	MSU-ALLIANCE TRANSLATIONAL HEALTH RESEARCH IN GRAND RAPIDS
187	\$500,000	VAN ANDEL RESEARCH INSTITUTE	Holmes, Denise	CHM WEST MICHIGAN	MSU - VAN ANDEL TRANSLATIONAL HEALTH RESEARCH IN GRAND RAPIDS
188	\$23,301	CHICAGO UNIVERSITY OF	Gardiner, Joseph	EPIDEMIOLOGY AND BIostatISTICS	MONOCLONAL ANITBODIES IN CANCER CARE: IS UNDERINSURANCE AN ACCESS BARRIER?
189	\$136,911	AGENCY FOR HEALTHCARE RSCH & QUAL -PHS	Malouin, Rebecca	FAMILY MEDICINE, DEPARTMENT OF	DEFINING AND BUILDING A PATIENT-CENTERED MEDICAL HOME
190	\$10,000	BLUE CROSS BLUE SHIELD OF MICHIGAN FDTN.	Sarzynski, Erin	FAMILY MEDICINE, DEPARTMENT OF	MEDICATION RECONCILIATION IN AN OUTPATIENT GERIATRIC CLINIC: DOES ACCURACY IMPROVE IF PATIENTS "BROWN BAG" THEIR MEDICATIONS FOR APPOINTMENTS?
191	\$14,309	MI DEPT COMMUNITY HEALTH	Corser, William	HEALTH CARE STUDIES, INSTITUTE FOR CHM	PUBLIC HEALTH ADVISOR
192	\$201,052	NATL INST OF HEALTH - NIH/PHS	Crockett-Torabi, Elahe	HUMAN MEDICINE DEAN	RESEARCH EDUCATION PROGRAM TO INCREASE DIVERSITY IN HEALTH-RELATED RESEARCH

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193	\$373,029	HEALTH RESOURCES & SERVICES ADMIN -PHS	Dwyer, Jeffrey	HUMAN MEDICINE DEAN	GERIATRIC EDUCATION CENTER OF MICHIGAN (CONTINUATION)
194	\$42,222	HEALTH RESOURCES & SERVICES ADMIN -PHS	Dwyer, Jeffrey	HUMAN MEDICINE DEAN	GEEM ALZHEIMER'S DISEASE & RELATED DISORDERS SUPPLEMENTAL TRAINING GRANT
195	\$75,000	MICHAEL J. FOX FOUNDATION	Sortwell, Caryl	HUMAN MEDICINE DEAN	NIGRAL OVEREXPRESSION OF ALPHA-SYNUCLEIN IN AGED RATS
196	\$5,040	ALLOS THERAPEUTICS, INC.	Al-Janadi, Anas	MEDICINE	PROSPECTIVE, LONGITUDINAL, MULTINATIONAL REGISTRY OF PATIENTS WITH NEWLY DIAGNOSED PERIPHERAL T-CELL LYMPHOMA
197	\$16,500	NATL SURGICAL ADJ BRST & BWL PROJ FDN	Conley, Barbara	MEDICINE	PHASE III RANDOMIZED TRIAL FOR PATIENTS WITH HER2-POSITIVE NODE POSITIVE/HIGH RISK NODE NEGATIVE BREAST CANCER COMPARING
198	\$7,700	NATL SURGICAL ADJ BRST & BWL PROJ FDN	Conley, Barbara	MEDICINE	NSABP TFED36
199	\$893,629	CENTERS FOR DISEASE CONTROL AND PREVENTION	Rosenman, Kenneth	MEDICINE	EXPANDED PROGRAM IN OCCUPATIONAL INJURY AND ILLNESS SURVEILLANCE
200	\$6,000	MICH FARM BUREAU	Rosenman, Kenneth	MEDICINE	FATALITY ASSESSMENT AND CONTROL EVALUATION (FACE)
201	\$13,964	GERON CORPORATION	Tamkus, Deimante	MEDICINE	GERON CP14B014 A RANDOMIZED PHASE II STUDY OF IMETELSTAT IN COMBINATION WITH PACLITAXEL (WITH OR WITHOUT BEVACIZUMAB) IN PATIENTS WITH LOCALLY RECURRENT OR METASTATIC BREAST CANCER
202	\$8,150	NATL SURGICAL ADJ BRST & BWL PROJ FDN	Tamkus, Deimante	MEDICINE	NSABP - 2 THE STUDY OF TAMOXIFEN AND RALOXIFENE (STAR) FOR THE PREVENTION OF BREAST CANCER
203	\$8,333	DEAFNESS RESEARCH FOUNDATION	Friderici, Karen	MICROBIOLOGY & MOLECULAR GENETICS CHM	IDENTIFICATION OF CIS-REGULATORY GJB2 AND GJB6 ELEMENTS BY CHROMOSOME CONFORMATION CAPTURE AND INVESTIGATION OF POTENTIAL CIS-REGULATORY VARIANTS IN PERSONS WITH HEARING LOSS AND MONOALLELIC MUTATION OF GJB2
204	\$297,950	NATL INST OF HEALTH - NIH/PHS	Yu, Kefei	MICROBIOLOGY & MOLECULAR GENETICS CHM	TARGETED DNA CLEAVAGE AT SWITCH REGIONS IN IMMUNOGLOBULIN CLASS SWITCH RECOMBINATION
205	\$13,424	GENERAL ELECTRIC HEALTHCARE	Bozoki, Andrea	NEUROLOGY & OPHTHALMOLOGY CHM	A PRINCIPAL OPEN-LABEL STUDY TO COMPARE THE BRAIN UPTAKE OF (18F) FLUTEMETAMOL WITH BRAIN AMYLOID LEVELS DETERMINED POST MORTEM

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206	\$18,115	PFIZER PHARMACEUTICALS	Bozoki, Andrea	NEUROLOGY & OPTHALMOLOGY CHM	AAB-001 3133K1-3000-US, AAB-001, PHASE III, MULTICENTER, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, PARALLEL-GROUP EFFICACY AND SAFETY TRIAL OF BAPINEUZUMAB (AAB-001, ELN115727)
207	\$18,018	WYETH PHARMACEUTICALS INC	Bozoki, Andrea	NEUROLOGY & OPTHALMOLOGY CHM	A PHASE 3, MULTICENTER, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, PARALLEL-GROUP EFFICACY AND SAFETY TRIAL OF BAPINE
208	\$62,539	BOSTON UNIVERSITY	Luke, Barbara	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	WOMEN'S HEALTH AFTER ASSISTED REPRODUCTIVE TECHNOLOGY: A POPULATION BASED STUDY
209	\$329,526	HENRY M. JACKSON FOUNDATION FOR ADVANCEMENT OF MILITARY MEDICINE	Risinger, John	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	GYNECOLOGIC CANCER TRANLATIONAL RESEARCH CENTER OF EXCELLENCE
210	\$488,003	AGENCY FOR HEALTHCARE RSCH & QUAL -PHS	Roman, Leeanne	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	DEMONSTRATION OF A COMMUNITY SYSTEM OF CARE FOR MEDICAID INSURED PREGNANT WOMEN
211	\$428,209	NATL INST OF HEALTH - NIH/PHS	Williams, Karen	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	KINKEEPER: REDUCTING DISPARITIES THROUGH CANCER LITERACY AND SCREENING
212	\$21,567	BIOGEN INC	Kulkarni, Roshni	PEDIATRICS AND HUMAN DEVELOPMENT	A-LONG: AN OPEN-LABEL, MULTICENTER EVALUATION OF THE SAFETY, PHARMACOKINETICS, AND EFFICACY OF RECOMBINANT FACTOR VIII FC FUSION PROTEIN (RFVIII FC) IN THE PREVENTION AND TREATMENT OF BLEEDING IN PREVIOUSLY TREATED SUBJECTS WITH SEVERE HEMOPHILIA A
213	\$60,000	HEMOPHILIA FOUNDATION OF MICHIGAN	Kulkarni, Roshni	PEDIATRICS AND HUMAN DEVELOPMENT	MCHB GRANT
214	\$178,618	NATL INST OF HEALTH - NIH/PHS	Galligan, James	PHARMACOLOGY & TOXICOLOGY HUMAN MEDICINE	INTEGRATIVE TRAINING IN THE PHARMACOLOGICAL SCIENCES
215	\$42,980	NATL INST OF HEALTH - NIH/PHS	Kaminski, Norbert	PHARMACOLOGY & TOXICOLOGY HUMAN MEDICINE	THC IMPAIRMENT OF CD4/CD8 T CELL-MEDIATED HOST RESISTANCE TO HIV AND INFLUENZA (5R01DA007908)SUPPLEMENT
216	\$295,066	NATL INST OF HEALTH - NIH/PHS	Uhal, Bruce	PHYSIOLOGY HUMAN MEDICINE	CONTROL OF TYPE II PNEUMOCYTE PROLIFERATION
217	\$369,771	NATL INST OF HEALTH - NIH/PHS	Parameswaran, Narayanan	PHYSIOLOGY/HUMAN PATHOLOGY - CHM	GPCR KINASE-2 IN TNFALPHA SIGNALING IN MACROPHAGES

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218	\$282,349	NATL INST OF HEALTH - NIH/PHS	Parameswaran, Narayanan	PHYSIOLOGY/HUMAN PATHOLOGY - CHM	ARRESTINS IN TLR4 SIGNALING IN MACROPHAGES
<b>COLLEGE OF MUSIC</b>					
219	\$50,000	ERB FAMILY FOUNDATION	Buckley, Rhonda	MUSIC	MSU COLLEGE OF MUSIC DETROIT JAZZ EDUCATION AND MENTORSHIP PROJECT- MSU JAZZ@CMS DETROIT
<b>COLLEGE OF NATURAL SCIENCE</b>					
220	\$190,000	ENERGY US DEPT OF	Benning, Christoph	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	REGULATION OF THYLAKOID LIPID BIOSYNTHESSES IN PLANTS
221	\$100,000	NATL SCIENCE FOUNDATION	Hoffmann-Benning, Susanne	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	SIGNALING FUNCTION OF PHLOEM LIPIDS AND LIPID-BINDING PROTEINS IN DEVELOPMENT AND RESPONSE TO STRESS
222	\$258,093	NATL INST OF HEALTH - NIH/PHS	Kaguni, Jon	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	RECRUITMENT AND ACTIVATION OF DNAB HELICASE IN ESCHERICHIA COLI DNA REPLICATION
223	\$100,000	NATL SCIENCE FOUNDATION	Kroos, Lee	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	C-SIGNAL-DEPENDENT GENE EXPRESSION IN MYXOCOCCUS XANTHUS
224	\$285,880	BOWLING GREEN UNIVERSITY	Yan, Honggao	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	MANIPULATING SINGLE-MOLECULE ENZYME CONFORMATIONS AND ACTIVITIES
225	\$505,500	NATL SCIENCE FOUNDATION	Borhan, Babak	CHEMISTRY	RECEPTOR MEDIATED CIRCULAR DICHROISM SPECTROSCOPY
226	\$160,000	ENERGY US DEPT OF	Bruening, Merlin	CHEMISTRY	SEPARATIONS OF STABLE ISOTOPIC IONS IN HOMOGENEOUS, HIGHLY CHARGED NANOPORES
227	\$164,500	NATL SCIENCE FOUNDATION	Frost, John	CHEMISTRY	SUSTAINABLE SYNTHESIS OF BTX-DERIVED CHEMICALS
228	\$70,000	ENERGY US DEPT OF	Geiger, James	CHEMISTRY	STRUCTURE, FUNCTION AND REGULATION OF THE ENZYMES IN THE STARCH BIOSYNTHETIC PATHWAY
229	\$50,000	ALFRED P. SLOAN FOUNDATION	Hamann, Thomas	CHEMISTRY	ALFRED P. SLOAN RESEARCH FELLOWSHIP FOR DR. THOMAS W. HAMANN
230	\$159,930	ENERGY US DEPT OF	Hamann, Thomas	CHEMISTRY	MOLECULAR AND MATERIAL APPROACHES TO OVERCOME KINETIC AND ENERGETIC CONSTRAINTS IN DYE-SENSITIZED SOLAR CELLS

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231	\$144,000	ENERGY US DEPT OF	Piecuch, Piotr	CHEMISTRY	NEW SINGLE- AND MULTI-REFERENCE COUPLED-CLUSTER METHODS FOR HIGH ACCURACY CALCULATIONS OF GROUND AND EXCITED STATES
232	\$129,998	NATL SCIENCE FOUNDATION	Poltavets, Viktor	CHEMISTRY	NOVEL STRONGLY CORRELATED-ELECTRON MATERIALS WITH ROCK-SALT RELATED STRUCTURES
233	\$335,195	NATL INST OF HEALTH - NIH/PHS	Reid, Gavin	CHEMISTRY	MASS SPECTROMETRY STRATEGIES TO IDENTIFY LIPID BIOMARKERS OF DISEASE
234	\$140,000	NATL SCIENCE FOUNDATION	Walker, Kevin	CHEMISTRY	CAREER: MOLECULAR AND BIOCHEMICAL EVALUATION OF A PHENYLALANINE AMINOMUTASE
235	\$336,962	NATL INST OF HEALTH - NIH/PHS	Gardner, Elizabeth	FOOD SCIENCE & HUMAN NUTRITION CNS	NATURAL KILLER CELL RESPONSES OF AGED MICE TO PRIMARY INFLUENZA INFECTION
236	\$94,402	ANGLERS OF THE AUSABLE	Hyndman, David	GEOLOGICAL SCIENCES	BASELINE ENVIRONMENTAL ASSESSMENT OF THE UPPER AUSABLE AND MANISTEE RIVER WATERSHEDS
237	\$36,980	MICHIGAN UNIVERSITY OF	Hyndman, David	GEOLOGICAL SCIENCES	IDENTIFY LAND USE TIPPING POINTS THAT THREATEN GREAT LAKES ECOSYSTEMS
238	\$64,660	MUSKEGON RIVER WATERSHED PARTNERSHIP	Hyndman, David	GEOLOGICAL SCIENCES	ECOHYDROLOGIC EVALUATION OF REMOVING THE HIGGINS LAKE-LEVEL CONTROL STRUCTURE
239	\$60,702	WISCONSIN UNIV OF	Hyndman, David	GEOLOGICAL SCIENCES	IMPLICATIONS OF CONVERTING FROM CONVENTIONAL TO BIOFUEL CROPPING SYSTEMS FOR GREAT LAKES REGIONAL WATER SOURCES
240	\$255,284	NATL SCIENCE FOUNDATION	Rooney, Tyrone	GEOLOGICAL SCIENCES	COLLABORATIVE RESEARCH: NON-PERIDOTITE MELTING IN PLUME-INFLUENCED EXTENSIONAL ENVIRONMENTS: LITHOLOGICAL HETEROGENEITY OF THE AFRICAN SUPERPLUME AND AFRICAN LITHOSPHERE.
241	\$77,055	NATL SCIENCE FOUNDATION	Litchman, Elena	KELLOGG BIOLOGICAL STATION NAT. SCI.	CAREER: MECHANISMS OF PHYTOPLANKTON COMMUNITY RE-ORGANIZATION UNDER GLOBAL CHANGE
242	\$192,984	NATL SCIENCE FOUNDATION	Akbulut, Selman	MATHEMATICS	FRG: COLLABORATIVE RESEARCH: THE TOPOLOGY AND INVARIANTS OF SMOOTH 4-MANIFOLDS

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243	\$20,000	NATL SCIENCE FOUNDATION	Akbulut, Selman	MATHEMATICS	GOKOVA GEOMETRY/TOPOLOGY CONFERENCE
244	\$73,276	NATL SCIENCE FOUNDATION	Cheng, Yingda	MATHEMATICS	DEVELOPMENT OF DISCONTINUOUS GALERKIN METHODS FOR KINETIC TRANSPORT MODELS AND CONTROL PROBLEMS WITH STATE CONSTRAINTS
245	\$46,537	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Christlieb, Andrew	MATHEMATICS	NOVEL TOOLS FOR THE MODELING AND SIMULATION OF ULTRA COLD PLASMAS
246	\$86,389	NATL SCIENCE FOUNDATION	Hedden, Matthew	MATHEMATICS	CAREER: FLOER HOMOLOGY AND LOW-DIMENSIONAL TOPOLOGY
247	\$111,933	WESTERN MICHIGAN UNIVERSITY	Keller, Brin	MATHEMATICS	TRANSITION TO COLLEGE MATHEMATICS AND STATISTICS
248	\$834,371	NATL SCIENCE FOUNDATION	McGroarty, Estelle	NATURAL SCIENCE DEAN	ADVANCING DIVERSITY THROUGH ALIGNMENT OF POLICIES AND PRACTICES (ADAPP)
249	\$127,261	NATL INST OF HEALTH - NIH/PHS	Breedlove, Stephen	NEUROSCIENCE PROGRAM	INTEGRATIVE NEUROBIOLOGY OF SOCIAL PROCESS
250	\$180,000	NATL SCIENCE FOUNDATION	Breedlove, Stephen	NEUROSCIENCE PROGRAM	ANDROGEN RECEPTORS IN THE MEDIAL AMYGDALA
251	\$165,000	ENERGY US DEPT OF	Birge, Norman	PHYSICS-ASTRONOMY	NOVEL BEHAVIOR OF FERROMAGNET-SUPERCONDUCTOR HYBRID SYSTEMS
252	\$1,390,000	NATL SCIENCE FOUNDATION	Brock, Raymond	PHYSICS-ASTRONOMY	INVESTIGATIONS IN ELEMENTARY PARTICLE PHYSICS AND PARTICLE ASTROPHYSICS
253	\$150,000	NATL SCIENCE FOUNDATION	Brock, Raymond	PHYSICS-ASTRONOMY	INVESTIGATIONS IN ELEMENTARY PARTICLE PHYSICS AND PARTICLE ASTROPHYSICS PLANETARIUM SHOW SHOWCASING THE EXTRAORDINARY MYSTERY OF DARK MATTER
254	\$120,000	FERMI NATL ACCELERATOR LAB	Bromberg, Carl	PHYSICS-ASTRONOMY	R & D AND DESIGN TASKS TO DEVELOPE CD-1 OF LONG BASELINE NEUTRINO EXPERIMENT (LBNE) PROJECT AT FERMILAB
255	\$100,000	ARMY RESEARCH OFFICE U S	Dykman, Mark	PHYSICS-ASTRONOMY	STUDYING ELECTRON TRANSPORT IN NANOWIRES USING FLUCTUATIONS OF NANO-MECHANICAL VIBRATIONS
256	\$10,000	NATL SCIENCE FOUNDATION	Huston, Joey	PHYSICS-ASTRONOMY	CTEQ SUMMER SCHOOL FUNDING
257	\$308,309	NATL SCIENCE FOUNDATION	McGuire, John	PHYSICS-ASTRONOMY	CAREER: ULTRAFAST AND MULTIDIMENSIONAL VIBRATIONAL SPECTROSCOPY OF AQUEOUS INTERFACES

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258	\$142,556	NATL AERONAUTICS AND SPACE ADM	OShea, Brian	PHYSICS-ASTRONOMY	MODELING MULTI-WAVELENGTH OBSERVATIONS OF GALAXY CLUSTERS WITH ADAPTIVE MESH REFINEMENT COSMOLOGICAL SIMULATIONS
259	\$183,000	ENERGY US DEPT OF	Ruan, Chong-Yu	PHYSICS-ASTRONOMY	DYNAMICAL NANOSCALE ELECTRON CRYSTALLOGRAPHY
260	\$19,831	NATL AERONAUTICS AND SPACE ADM	Stein, Robert	PHYSICS-ASTRONOMY	IMPROVING HMI MAGNETOGRAM, DOPPLERGRAM AND HELIOSEISMIC ANALYSIS
261	\$295,410	NATL SCIENCE FOUNDATION	Root-Bernstein, R	PHYSIOLOGY NATURAL SCIENCE	EXPLORING PUBLIC ENGAGEMENT WITH REAL-TIME EXPERIMENTATION IN DIFFERENT PUBLIC VENUES
262	\$2,662,192	NATL SCIENCE FOUNDATION	Buell, Carol	PLANT BIOLOGY CNS	UNRAVELING THE HETEROZYGOSITY, ALLELIC COMPOSITION, AND COPY NUMBER VARIATION OF POTATO
263	\$460,178	ENERGY US DEPT OF	Childs, Kevin	PLANT BIOLOGY CNS	IDENTIFYING DIFFERENCES IN ABIOTIC STRESS GENE NETWORKS BETWEEN LOWLAND AND UPLAND ECOTYPES OF SWITCHGRASS
264	\$502,257	NATL SCIENCE FOUNDATION	Schemske, Douglas	PLANT BIOLOGY CNS	COLLABORATIVE RESEARCH (ARABIDOPSIS 2010): ECOLOGICAL GENOMICS OF ADAPTATION TO THE ENVIRONMENT
265	\$664,386	DONALD DANFORTH PLANT SCIENCE CENTER	Shachar-Hill, Yair	PLANT BIOLOGY CNS	ENERGY FRONTIER RESEARCH CENTER: METABOLIC FLUX ANALYSIS PROJECT
266	\$428,731	NATL SCIENCE FOUNDATION	Shiu, Shinhan	PLANT BIOLOGY CNS	COMPUTATIONAL AND EXPERIMENTAL STUDIES OF PLASTID FUNCTIONAL NETWORKS
267	\$5,051	CARL ZEISS MICROIMAGING, INC.	Brandizzi, Federica	PLANT RESEARCH LABORATORY NAT SCIENCE	UNRESTRICTED GIFT IN SUPPORT OF RESEARCH OF DR. FEDERICA BRANDIZZI
268	\$127,125	DONALD DANFORTH PLANT SCIENCE CENTER	Kramer, David	PLANT RESEARCH LABORATORY NAT SCIENCE	NATIONAL ALLIANCE FOR ADVANCED BIOFUELS AND BIO-PRODUCTS (NAABB)
269	\$230,000	ENERGY US DEPT OF	Kramer, David	PLANT RESEARCH LABORATORY NAT SCIENCE	THE ENERGY BUDGET OF STEADY STATE PHOTOSYNTHESIS
270	\$36,167	PARK CITY MATH INSTITUTE	Burrill, Gail	PROGRAM IN MATHEMATICS EDUCATION	COURSE IMPROVEMENT LEADERSHIP PROGRAM.
271	\$66,327	NATL SCIENCE FOUNDATION	Cui, Yuehua	STATISTICS & PROBABILITY	STATISTICAL INFERENCE FOR GENE REGULATION WITH GENETICAL GENOMICS DATA

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272	\$61,617	NATL SCIENCE FOUNDATION	Sakhanenko, Lyudmila	STATISTICS & PROBABILITY	COLLABORATIVE RESEARCH: MULTIDIMENSIONAL CURVE ESTIMATION FOR DIFFUSION MRI
273	\$48,863	UTAH UNIVERSITY OF	Xiao, Yimin	STATISTICS & PROBABILITY	GEOMETRY OF RANDOM FIELDS AND STOCHASTIC PARTIAL DIFFERENTIAL EQUATIONS
274	\$79,972	NATL SECURITY AGENCY	Zeleke, Aklilu	STATISTICS & PROBABILITY	SUMMER UNDERGRADUATE RESEARCH INSTITUTE IN EXPERIMENTAL MATHEMATICS (SURIEM)
275	\$53,875	NATL SCIENCE FOUNDATION	Dworkin, Ian	ZOOLOGY NATURAL SCIENCE	COLLABORATIVE RESEARCH: GENETIC MECHANISMS OF CONDITIONAL-EXPRESSION AND TRAIT EXAGGERATION IN WEAPONS OF SEXUAL SELECTION
276	\$336,000	NATL SCIENCE FOUNDATION	Eisthen, Heather	ZOOLOGY NATURAL SCIENCE	REU SITE: INTEGRATIVE BIOLOGY OF SOCIAL BEHAVIORS (IBSB)
277	\$82,876	NATL SCIENCE FOUNDATION	Ostrom, Nathaniel	ZOOLOGY NATURAL SCIENCE	EAGER: BREAKING THE PER MIL BARRIER: APPLICATION OF HIGH PRECISION ISOTOPE TRACER MEASUREMENTS TO RESOLVE RATES OF AQUATIC DENITRIFICATION
278	\$190,845	NATL SCIENCE FOUNDATION	Shingleton, Alexander	ZOOLOGY NATURAL SCIENCE	CAREER: SIZE MATTERS-THE REGULATION OF ALLOMETRY IN INSECTS
279	\$209,590	ENVIRONMENTAL PROTECTION AGENCY	Stevenson, Robert	ZOOLOGY NATURAL SCIENCE	FORECASTING AND EVALUATING VULNERABILITY OF WATERSHEDS TO CLIMATE CHANGE, EXTREME EVENTS, AND ALGAL BLOOMS
<b>COLLEGE OF NURSING</b>					
280	\$213,251	NATL INST OF HEALTH - NIH/PHS	Hoffman, Amy	NURSING	MANAGING FATIGUE USING VIRTUAL REALITY FOR POST-OPERATIVE LUNG CANCER PATIENTS
281	\$10,000	BLUE CROSS BLUE SHIELD OF MICHIGAN FDTN.	Lehto, Rebecca	NURSING	2012 BCBSM FOUNDATION MCDEVITT EXCELLENCE IN RESEARCH AWARD
282	\$68,389	HEALTH RESOURCES & SERVICES ADMIN -PHS	Mundt, Mary	NURSING	NURSE FACULTY LOAN PROGRAM
283	\$747,938	NATL INST OF HEALTH - NIH/PHS	Robbins, Lorraine	NURSING	GIRLS ON THE MOVE INTERVENTION
284	\$45,436	SUSAN G. KOMEN BREAST CANCER FOUNDATION	Smania, Mary	NURSING	BREAST CARE FOR WOMEN OF MID-MICHIGAN
285	\$10,898	HEALTH RESOURCES & SERVICES ADMIN -PHS	Talley, Henry	NURSING	NURSE ANESTHETIST TRAINEESHIP PROGRAM

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286	\$329,083	HEALTH RESOURCES & SERVICES ADMIN -PHS	Viau, Terry	NURSING	MICHIGAN STATE UNIVERSITY COLLEGE OF NURSING: OVERCOMING EDUCATIONAL BARRIERS
<b>COLLEGE OF OSTEOPATHIC MEDICINE</b>					
287	\$159,804	HEALTH RESOURCES & SERVICES ADMIN -PHS	Monson, Carol	FAMILY AND COMMUNITY MEDICINE	ESTABLISHING A STATEWIDE GERIATRIC FELLOWSHIP AND DIVISION OF GERIATRICS IN THE COLLEGE OF OSTEOPATHIC MEDICINE DEPARTMENT OF FAMILY & COMMUNITY MEDICINE AND DEPARTMENT OF INTERNAL MEDICINE
288	\$590,976	NATL INST OF HEALTH - NIH/PHS	Amalfitano, Andrea	MICROBIOLOGY & MOLECULAR GENETICS COM	ER-LOCALIZED AMINOPEPTIDASES IN ANKYLOSING SPONDYLITIS
289	\$178,589	GREAT LAKES REGIONAL CENTER OF EXCELL	Waters, Christopher	MICROBIOLOGY & MOLECULAR GENETICS COM	IDENTIFICATION AND CHARACTERIZATION OF ANTI-BIOFILM COMPOUNDS
290	\$103,751	NATL INST OF HEALTH - NIH/PHS	Zheng, Yong-Hui	MICROBIOLOGY & MOLECULAR GENETICS COM	MECHANISM OF APOBEC3-MEDIATED INNATE IMMUNITY TO HIV-1
291	\$150,000	FOGARTY INTL CENTER -NIH/PHS	Taylor, Terrie	OSTEOPATHIC MEDICAL SPECIALTIES COM	FROM TRAINING AND RESEARCH TO BEST PRACTICE: THE MALARIA PARTNERSHIP FOR EXCELLENCE
292	\$1,343,963	NATL INST OF ALLERGY & INFEC DIS -NIH	Taylor, Terrie	OSTEOPATHIC MEDICAL SPECIALTIES COM	DETERMINANTS OF MALARIA DISEASE IN MALAWI
293	\$249,671	NATL INST OF ALLERGY & INFEC DIS -NIH	Taylor, Terrie	OSTEOPATHIC MEDICAL SPECIALTIES COM	DETERMINANTS OF MALARIA DISEASE IN MALAWI 5U19AIO89683 COMPETITIVE REVISION
294	\$231,850	NATL INST OF ALLERGY & INFEC DIS -NIH	Taylor, Terrie	OSTEOPATHIC MEDICAL SPECIALTIES COM	DETERMINANTS OF MALARIA DISEASE IN MALAWI 5U19AIO89683-02 'COMPETITIVE REVISION'
295	\$68,000	LIGHT SCIENCES ONCOLOGY, INC.	Bailie, Marc	PHARMACOLOGY & TOXICOLOGY OSTEO MEDICINE	PHASE I: OPTIMIZATION OF LIGHT-ACTIVATED DRUG TREATMENT OF HUMAN TUMORS IN SEVERE COMBINED IMMUNODEFICIENT DOGS
296	\$160,521	NATL INST OF HEALTH - NIH/PHS	Haywood II, Joseph	PHARMACOLOGY & TOXICOLOGY OSTEO MEDICINE	MSU- SHORT COURSE IN INTERGRATIVE PHARMACOLOGY
297	\$339,580	NATL HEART LUNG BLOOD INST -NIH/PHS	Watts, Stephanie	PHARMACOLOGY & TOXICOLOGY OSTEO MEDICINE	VASCULAR AND NEURAL MECHANISMS OF SEROTONIN-INDUCED REDUCTION IN BLOOD PRESSURE
298	\$251,524	MEDICAL COLLEGE OF WISCONSIN	Wiseman, Robert	PHYSIOLOGY OSTEOPATHIC MEDICINE	MECHANISMS OF METABOLIC DYSFUNCTION IN TYPE 2 DIABETES

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299	\$439,646	NATL INST CHILD HEALTH & HUMAN DEV -NIH/PHS	Boivin, Michael	PSYCHIATRY OSTEOPATHIC MEDICINE	ENHANCING UGANDAN HIV-AFFECTED CHILD DEVELOPMENT WITH CAREGIVER TRAINING
300	\$35,000	DJO, LLC	Dietzel, Douglas	RADIOLOGY/DIV OF SPORTS MEDICINE - COM	POST-PROFESSIONAL ATHLETIC TRAINING RESIDENCY
<b>COLLEGE OF SOCIAL SCIENCE</b>					
301	\$24,290	NATL SCIENCE FOUNDATION	ROBBINS,LAWRENCE	ANTHROPOLOGY SOCIAL SCIENCE	DOCTORAL DISSERTATION IMPROVEMENT GRANT: EARLY IRON AGE SOCIAL AND ECONOMIC ORGANIZATION IN SOWA PAN, BOTSWANA
302	\$30,123	MICHIGAN UNIVERSITY OF	Bynum, Timothy	CRIMINAL JUSTICE	LAW ENFORCEMENT AGENCY IDENTIFIERS CROSSWALK PROJECT
303	\$133,300	MI STATE POLICE	Morash, Merry	CRIMINAL JUSTICE	SMART POLICING PROPOSAL WITH MICHIGAN STATE POLICE
304	\$110,642	EDUCATION U.S. DEPT OF	Glew, Robert	CTR FOR ADV STUDY OF INTL DEVELOPM - CSS	NATIONAL RESOURCE CENTER FOR FOREIGN LANGUAGE AND INTERNATIONAL STUDIES
305	\$261,600	INST OF INTERNATL EDUCATION	Glew, Robert	CTR FOR ADV STUDY OF INTL DEVELOPM - CSS	HUBERT H. HUMPHREY FELLOWSHIP PROGRAM
306	\$127,425	NATL SCIENCE FOUNDATION	Arbogast, Alan	GEOGRAPHY	IPA AGREEMENT FOR DR. ANTOINETTE WINKLERPRINS
307	\$100,190	USDA - FOREST SERVICE	Luo, Lifeng	GEOGRAPHY	SYNOPTIC CLIMATOLOGIES FOR FIRE WEATHER AND SMOKE APPLICATIONS
308	\$5,491	USDA - NATURAL RESOURCES CONSERVATION SERVICE	Lusch, David	GEOGRAPHY	IMAGE INTERPRETATION FOR THE NRI ON-LINE COURSE – 5TH OPERATIONAL YEAR
309	\$11,830	NATL SCIENCE FOUNDATION	Chen, Guo	GLOBAL URBAN STUDIES	CHINA'S EMERGING SLUMS DURING URBAN EXPANSION: THE CASE OF BEIJING AND RECYCLING BASED HENANCUNS
310	\$17,924	NATL SCIENCE FOUNDATION	Montgomery, Georgina	HISTORY	DOCTORAL DISSERTATION RESEARCH: CREATING AMBOSELI NATIONAL PARK: CONTESTING MAASAI PASTORALISM AND SAVING WILDLIFE IN KENYA
311	\$280,966	MICHIGAN UNIVERSITY OF	Brophy-Herb, Holly	HUMAN DEVELOPMENT & FAMILY STUDIES - CSS	ENHANCING SELF REGULATION AS AN OBESITY PREVENTION STRATEGY IN HEAD START PRESCHOOLERS
312	\$12,834	BETH ISRAEL DEACONESS MED CENTER	Hembroff, Larry	INST FOR PUBLIC POLICY & SOCIAL RESEARCH	PROST-Q
313	\$99,121	MI DEPT COMMUNITY HEALTH	Hembroff, Larry	INST FOR PUBLIC POLICY & SOCIAL RESEARCH	BRFS ASIAN AMERICANS AND HISPANIC/LATINOS IN MI

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314	\$50,000	MI DEPT COMMUNITY HEALTH	Hembroff, Larry	INST FOR PUBLIC POLICY & SOCIAL RESEARCH	PRAMS 2012 - AMENDED
315	\$350,000	CHARLES STEWART MOTT FOUNDATION	Martini, Audrey	OFF CAMPUS CREDIT PROGRAM SOC SCI	FLINT'S 21ST CENTURY COMMUNITY POLICING:
316	\$50,000	MILLER JACK CENTER	Kautz, Steven	POLITICAL SCIENCE	JACK MILLER CENTER NATIONAL POST-DOCTORAL FELLOWSHIP INITIATIVE
317	\$500,000	MIDAMERICAN ENERGY	Logan, Carolyn	POLITICAL SCIENCE	AFROBAROMETER EXPANSION PHASE: FIVE YEAR PLAN FOR ROUNDS 5 AND 6, 2011-2015
318	\$202,061	NATL INST OF HEALTH - NIH/PHS	Becker, Mark	PSYCHOLOGY SOCIAL SCIENCE	EVALUATING HUMAN PROCESSING OF FRONT OF PACK NUTRITIONAL LABELS
319	\$436,903	EDUCATION U.S. DEPT OF	Bowles, Ryan	PSYCHOLOGY SOCIAL SCIENCE	DEVELOPMENT AND VALIDATION OF THE NARRATIVE ASSESSMENT PROTOCOL
320	\$328,120	NATL INST OF MENTAL HLTH -NIH/PHS	Burt, Sybil	PSYCHOLOGY SOCIAL SCIENCE	GENE-ENVIRONMENT INTERACTIONS IN CHILDHOOD CONDUCT PROBLEMS
321	\$101,758	WAYNE COUNTY	Campbell, Rebecca	PSYCHOLOGY SOCIAL SCIENCE	THE DETROIT SEXUAL ASSAULT KIT (SAK) ACTION RESEARCH PROJECT
322	\$155,398	INGHAM COUNTY	Davidson, William	PSYCHOLOGY SOCIAL SCIENCE	INGHAM COUNTY ADOLESCENT DIVERSION PROJECT
323	\$31,523	CALIFORNIA UNIVERSITY OF - DAVIS	Donnellan, M	PSYCHOLOGY SOCIAL SCIENCE	A MOLECULAR GENETIC STUDY OF RESILIENCE AND VULNERABILITY TO SUBSTANCE USE AND ABUSE
324	\$1,599,282	KELLOGG W K FOUNDATION	Foster-Fishman, Pennie	PSYCHOLOGY SOCIAL SCIENCE	THE BATTLE CREEK EXCHANGE
325	\$544,511	NATL INST OF HEALTH - NIH/PHS	Klump, Kelly	PSYCHOLOGY SOCIAL SCIENCE	A TWIN STUDY OF OVARIAN HORMONES AND DISORDERED EATING
326	\$170,380	NATL INST OF HEALTH - NIH/PHS	Klump, Kelly	PSYCHOLOGY SOCIAL SCIENCE	ADMINISTRATIVE SUPPLEMENT: A TWIN STUDY OF OVARIAN HORMONES AND DISORDERED EATING.
327	\$360,389	NATL INST OF HEALTH - NIH/PHS	Liu, Taosheng	PSYCHOLOGY SOCIAL SCIENCE	NEURAL MECHANISMS OF ATTENTIONAL PRIORITY FOR VISUAL FEATURES AND OBJECTS
328	\$300,000	NATL SCIENCE FOUNDATION	Sakai, Sharleen	PSYCHOLOGY SOCIAL SCIENCE	COMPARATIVE STUDIES OF BRAIN SIZE IN CARNIVORES.
329	\$372,701	NATL INST OF HEALTH - NIH/PHS	Sisk, Cheryl	PSYCHOLOGY SOCIAL SCIENCE	PUBERTAL ORGANIZATION OF BRAIN AND BEHAVIOR
330	\$324,896	MI DEPT OF HUMAN SERVICES	Anderson, Gary	SOCIAL WORK	YOUTH IN TRANSITION: INDEPENDENT LIVING SKILLS COACH
331	\$20,668	SPAULDING FOR CHILDREN	Anderson, Gary	SOCIAL WORK	PILOT OF THE ADOPTION CERTIFICATE CURRICULUM

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332	\$100,000	HARTFORD JOHN A FDN	Hughes, Anne	SOCIAL WORK	HARTFORD FACULTY SCHOLARS PROGRAM IN GERIATRIC SOCIAL WORK
333	\$45,000	MI STATE COURT ADMINISTRATIVE OFFICE	Klein, Sacha	SOCIAL WORK	A DATA-DRIVEN APPROACH FOR REDUCING DISPROPORTIONALITY AND DISPARITY IN MICHIGAN'S CHILD WELFARE SYSTEM
334	\$56,985	SAGINAW COUNTY OF	Klein, Sacha	SOCIAL WORK	ANALYSIS AND CONSULTATION SERVICES FOR THE TENTH JUDICIAL CIRCUIT COURT: SAGINAW COUNTY RACE EQUITY DEMONSTRATION PROJECT
335	\$40,000	AMER CANCER SOCIETY	Kubiak, Sheryl	SOCIAL WORK	COUPLES' SEXUAL RECOVERY AFTER PROSTATE CANCER SURGERY: COMMONLY SHARED COUPLES' EXPERIENCES AND THE ROLE OF THE PARTNER
336	\$40,000	AMER CANCER SOCIETY	Kubiak, Sheryl	SOCIAL WORK	QUALITY OF LIFE OUTCOMES AMONG OLDER ADULTS WITH COLORECTAL CANCER
337	\$74,453	NATL INST OF HEALTH - NIH/PHS	Zhang, Zhenmei	SOCIOLOGY SOCIAL SCIENCE	LIFECOURSE PATHWAYS TO RACIAL DISPARITIES IN LATE-LIFE COGNITIVE IMPAIRMENT
<b>ASC PROVOST FOR UNDERGRADUATE EDUCATION</b>					
338	\$474,000	EDUCATION U.S. DEPT OF	Garcia, Luis	MIGRANT STUDENT SERVICES	MSU HIGH SCHOOL EQUIVALENCY PROGRAM
<b>COLLEGE OF VETERINARY MEDICINE</b>					
339	\$78,419	NATL HEART LUNG BLOOD INST -NIH/PHS	Ewart, Susan	LARGE ANIMAL CLINICAL SCIENCES	INCREASING DIVERSITY IN EXPERIENTIAL RESEARCH EDUCATION AT MICHIGAN STATE UNIVERSITY
340	\$111,890	OKLAHOMA STATE UNIVERSITY	Geor, Raymond	LARGE ANIMAL CLINICAL SCIENCES	BUILDING A BETTER CANINE WARRIOR.
341	\$176,525	GREAT LAKES REGIONAL CENTER OF EXCELL	Abramovitch, Robert	MICROBIOLOGY & MOLECULAR GENETICS CVM	TARGETING COMPOUNDS AND GENES THAT MODULATE M. TUBERCULOSIS PH-DRIVEN ADAPTATION
342	\$26,365	AMERICAN QUARTER HORSE FOUNDATION	Bowker, Robert	PATHOBIOLOGY & DIAGNOSTIC INVESTIGAT CVM	NAVICULAR SYNDROME: INITIALL PATHOLOGICAL CHANGES OCCUR IN THE CPL'S (CHRONDROPULVINALE LIGAMENTS) AND AVC'S (ARTERIOVENOUS COMPLEXES) OF THE ROSTRAL FROG
343	\$25,000	UNITED STATES EQUESTRIAN FEDERATION INC	Bowker, Robert	PATHOBIOLOGY & DIAGNOSTIC INVESTIGAT CVM	ULTRASONIC AND MICROSCOPIC EVALUATION OF THE CUNEATE FROG: EARLIEST DEGENERATIVE NEUROVASCULAR AND LIGAMENOUS SIGNS OBSERVED IN NAVICULAR SYNDROME AFFECTED HORSES RATHER THAN THE PODOTROCHLEAR APPARATUS

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344	\$26,360	BIOLOGICAL TEST CENTER	Langohr, Ingeborg	PATHOBIOLOGY & DIAGNOSTIC INVESTIGAT CVM	RETINAL GANGLION CELL QUANTIFICATION IN RATS WITH GLAUCOMA
345	\$362,497	NATL INST OF HEALTH - NIH/PHS	Luyendyk, James	PATHOBIOLOGY & DIAGNOSTIC INVESTIGAT CVM	MECHANISMS OF XENOBIOTIC-INDUCED BILIARY INFLAMMATION AND FIBROSIS
346	\$178,788	INSTITUT BOUISSON BERTRAND	Mackenzie, Charles	PATHOBIOLOGY & DIAGNOSTIC INVESTIGAT CVM	RAPID IDENTIFICATION OF HIGH LEVELS OF LOA LOA MICROFILAREMIA: A "TEST AND TREAT" STRATEGY FOR MASS DRUG ADMINISTRATION (TNT)
347	\$322,955	NATL INST OF HEALTH - NIH/PHS	Roth, Robert	PHARMACOLOGY & TOXICOLOGY VET MEDICINE	DICHOTOMOUS ROLES OF THROMBIN IN ACETAMINOPHEN HEPATOTOXICITY
348	\$5,805	PURDUE UNIV	Bartoe, Joshua	SMALL ANIMAL CLINICAL SCIENCES	BANKING OF DNA DERIVED FROM GOLDEN RETRIEVERS HISTOLOGICALLY PROVEN FREE OF PIGMENTARY UVEITIS AND IRIS CYSTS
349	\$26,948	HILLS PET NUTRITION INC.	Kruger, John	SMALL ANIMAL CLINICAL SCIENCES	EFFECT OF DIETARY INTERVENTION ON FELINE LOWER URINARY TRACT DISORDERS
350	\$12,723	CANINE HEALTH FOUNDATION	Sanders, Robert	SMALL ANIMAL CLINICAL SCIENCES	EVALUATION OF OCCURRENCE OF VENTRICULAR ARRHYTHMIAS IN NORMAL SALUKI DOGS
351	\$658,648	HEALTH RESOURCES & SERVICES ADMIN -PHS	Lowrie, Patricia	VETERINARY MEDICINE DEAN	THE VETWARD BOUND PROGRAM
352	\$127,675	NATL INST OF HEALTH - NIH/PHS	Yuzbasiyan-Gurkan, Vilma	VETERINARY MEDICINE DEAN	BUILDING RESEARCHERS ON THE DIVERSE FOUNDATION OF A VETERINARY MEDICAL EDUCATION
<b>VICE PROVOST LIBRARIES COMPUTING &amp; TECHNOLGY</b>					
353	\$265,000	NATL ENDOWMENT FOR THE HUMANITIES	Ghering, Cynthia	UNIVERSITY ARCHIVES & HISTORIC COLLECT	AMERICA AND THE "THIRD WORLD": MICHIGAN STATE UNIVERSITY VIETNAM PROJECT ARCHIVES
<b>NAT'L SUPERCONDUCTING CYCLOTRON LABORATORY</b>					
354	\$103,109	NATL SCIENCE FOUNDATION	Brown, B	NAT'L SUPERCONDUCTING CYCLOTRON LAB	NUCLEAR STRUCTURE, MESOSCOPIC PHYSICS AND DOUBLE-BETA DECAY
355	\$1,200,000	MI STATE OF	Glasmacher, Thomas	NAT'L SUPERCONDUCTING CYCLOTRON LAB	FACILITY FOR RARE ISOTOPE BEAMS 2011 PA 62
356	\$175,000	NATL SCIENCE FOUNDATION	Maciel Nunes, Filomena	NAT'L SUPERCONDUCTING CYCLOTRON LAB	NUCLEAR REACTION THEORY

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357	\$999,966	UNIV OF CALIFORNIA BERKELEY	Sherrill, Bradley	NAT'L SUPERCONDUCTING CYCLOTRON LAB	THE NUCLEAR SCIENCE AND SECURITY CONSORTIUM
<b>PROVOST-VICE PRES FOR ACADEMIC AFFAIRS</b>					
358	\$900,000	CENTERS FOR DISEASE CONTROL AND PREVENTION	Reed, Philip	CLINICAL AND TRANSLATIONAL SCIENCES	DATA COORDINATING CENTER FOR AUTISM & OTHER DEVELOPMENTAL DISABILITIES: SEED I&II
<b>ASC PROVOST FOR ACADEMIC SERVICES</b>					
359	\$2,431,897	EDUCATION U.S. DEPT OF	Shipman, Richard	FINANCIAL AID	FEDERAL WORKSTUDY PROGRAM
<b>ASC PROV FOR UNIV OUTREACH &amp; ENGAGEMENT</b>					
360	\$40,000	NATL ENDOWMENT FOR THE ARTS	Macdowell, Marsha	MUSEUM - UOE	MICHIGAN TRADITIONAL ARTS PROGRAM
361	\$40,000	NATL ENDOWMENT FOR THE ARTS	Macdowell, Marsha	MUSEUM - UOE	2012 MICHIGAN TRADITIONAL ARTS PROGRAM, INFRASTRUCTURE AND APPRENTICESHIPS
362	\$6,000	ARTS COUNCIL CENTER GREATER LANSING	Morgan, Gary	MUSEUM - UOE	2012 INGHAM COUNTY HOTEL/MOTEL ARTS AND TOURISM FUNDS
363	\$74,164	TEXAS UNIV OF AT AUSTIN	Van Egeren, Laurie	OUTREACH & ENGAGEMENT PARTNERSHIPS	COMPARISON OF ASTHMA PROGRAMS FOR SCHOOLS
364	\$165,000	DART FOUNDATION	Fitzgerald, Hiram	UNIV OUTREACH & ENGAGEMENT - ADMIN	SCIENCE OLYMPIAD
<b>ASC PROV ACAD STDNT SERV &amp; MULTICUL ISSUES</b>					
365	\$230,000	EDUCATION U.S. DEPT OF	Bellamy, Pamela	ADMIN SUPPORT-MLK INITIATIVE	TALENT SEARCH - MICHIGAN STATE UNIVERSITY
366	\$12,500	EAST LANSING CITY OF	Garcia, Luis	MIGRANT STUDENT SERVICES	BASIC NEEDS ASSISTANCE FOR LOW-INCOME MIGRANT STUDENTS
367	\$424,176	EDUCATION U.S. DEPT OF	Garcia, Luis	MIGRANT STUDENT SERVICES	MSU COLLEGE ASSISTANCE MIGRANT PROGRAM - SCHOLARS INITIATIVE
368	\$427,149	EDUCATION U.S. DEPT OF	Hammond, Glenda	UPWARD BOUND	UPWARD BOUND PROGRAM CFDA NUMBER 84.047A
<b>INTERNATIONAL STUDIES AND PROGRAMS</b>					
369	\$135,992	EDUCATION U.S. DEPT OF	Pritchett, James	AFRICAN STUDIES CENTER	NATIONAL RESOURCE CENTER FOR FOREIGN LANGUAGE AND AREA STUDIES
370	\$158,468	EDUCATION U.S. DEPT OF	Chandra, Siddharth	ASIAN STUDIES CENTER	NATIONAL RESOURCE CENTER IN ASIAN STUDIES (ALL-ASIA), US DEPARTMENT OF EDUCATION

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<b>MICHIGAN AGRICULTURAL EXPERIMENT STATION</b>					
371	\$349,695	USDA - NATIONAL INSTITUTE OF FOOD AND AGRICULTURE	Joshi, Satish	AG, FOOD, RESOURCE ECON MABR	DECISION SUPPORT SYSTEMS FOR REGIONAL PLANNING AND IMPACT ASSESSMENT OF BIOREFINERIES
372	\$15,150	PENNSYLVANIA STATE UNIVERSITY	Loveridge, Scott	AG, FOOD, RESOURCE ECON MABR	NATIONAL AGRICULTURAL AND RURAL DEVELOPMENT POLICY CENTER
373	\$10,000	GREAT LAKES COMMISSION	Lupi, Frank	AG, FOOD, RESOURCE ECON MABR	BEACH ADVISORIES THROUGH SMARTPHONES
374	\$52,090	US FISH & WILDLIFE SERVICE	Lupi, Frank	AG, FOOD, RESOURCE ECON MABR	ASSESSMENT OF HUMAN SERVICES IMPACTS FOR TITTABAWASEE RIVER AND SAGINAW BAY WATERSHED
375	\$225,000	US DEPT AGRICULTURE	Peterson, Christopher	AG, FOOD, RESOURCE ECON MABR	COOPERATIVE DEVELOPMENT IN RURAL MICHIGAN
376	\$63,045	INTL FOOD POLICY RESEARCH INSTITUTE	Reardon, Thomas	AG, FOOD, RESOURCE ECON MABR	VALUE CHAINS IN BANGLADESH
377	\$76,958	NATURE CONSERVANCY THE	Swinton, Scott	AG, FOOD, RESOURCE ECON MABR	GREAT LAKES WATERSHED ECOLOGICAL SUSTAINABILITY STRATEGY PHASE II: PAYMENTS FOR AGRICULTURAL ECOSYSTEM SERVICES
378	\$20,000	MINK FARMERS RESEARCH FOUNDATION I	Bursian, Steven	ANIMAL SCIENCE DEPARTMENT MABR	RESEARCH ON NUTRITION, TOXICOLOGY, BEHAVIOR AND MANAGEMENT OF MINK
379	\$7,600	US DEPT AGRICULTURE	Ernst, Catherine	ANIMAL SCIENCE DEPARTMENT MABR	FURTHER STUDIES OF SPONTANEOUS AVIAN LEUOSIS-LIKE TUMORS IN CHICKENS
380	\$318,513	NATL INST OF HEALTH - NIH/PHS	Smith, George	ANIMAL SCIENCE DEPARTMENT MABR	EMBRYOTROPIC ACTIONS OF FOLLISTATIN: MECHANISMS AND TRANSLATIONAL RELEVANCE
381	\$496,514	USDA - NATIONAL INSTITUTE OF FOOD AND AGRICULTURE	Marks, Bradley	BIOSYSTEMS & AG ENGINEERING MABR	FACTORS AFFECTING PASTEURIZATION EFFICACY FOR SALMONELLA IN LOW-MOISTURE FOODS
382	\$13,037	NATL SCIENCE FOUNDATION	Bingen, Jim	COMMUNITY, AG, REC & RES STD MABR	DOCTORAL DISSERTATION RESEARCH: AN ACTOR-NETWORK STUDY OF ARTINSANAL FOOD PRODUCTION AND FOOD SAFETY REGULATION
383	\$293,025	USDA - FOREIGN AG SER	Schultink, Gerhardus	COMMUNITY, AG, REC & RES STD MABR	LESOTHO PHASE II - EVALUATION FOR SITE-SPECIFIC LAND POLICY INTERVENTION
384	\$101,887	USDA - FOREIGN AG SER	Schultink, Gerhardus	COMMUNITY, AG, REC & RES STD MABR	LESOTHO PHASE II - EVALUATION FOR SITE-SPECIFIC LAND POLICY INTERVENTION
385	\$31,000	NATL POTATO PROMOTION BOARD	Douches, David	CROP AND SOIL SCIENCE MABR	POTATO TESTING

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386	\$30,467	US DEPT AGRICULTURE	Douches, David	CROP AND SOIL SCIENCE MABR	IDENTIFYING AND CHARACTERIZING RESISTANCE FROM DIVERSE POTATO GERMPASM SOURCES TO HIGHLY AGRESSIVE STRAINS OF LATE BLIGHT
387	\$5,844	US DEPT AGRICULTURE	Douches, David	CROP AND SOIL SCIENCE MABR	NATIONAL LATE BLIGHT TRIAL OF POTATO VARIETIES AND ADVANCED SELECTIONS FROM STATE AND FEDERAL BREEDING PROGRAMS
388	\$25,000	USDA - AGRICULTURE U.S. DEPT. OF - ES	Douches, David	CROP AND SOIL SCIENCE MABR	TRANSLATING SOLANACEAE SEQUENCE DIVERSITY AND TRAIT VARIATION INTO APPLIED OUTCOMES THROUGH INTEGRATIVE RESEARCH, EDUCATION AND EXTENSION
389	\$130,000	USDA - NATIONAL INSTITUTE OF FOOD AND AGRICULTURE	Douches, David	CROP AND SOIL SCIENCE MABR	GENOME-BASED PREDICTION OF ANTIMICROBIAL PEPTIDES FROM POTATO AND ASSESSMENT OF THEIR ROLE IN RESISTANCE TO BACTERIAL, FUNGAL AND OOMYCETE DISEASES
390	\$25,000	USDA - NATIONAL INSTITUTE OF FOOD AND AGRICULTURE	Douches, David	CROP AND SOIL SCIENCE MABR	TRANSLATING SOLANACEAE SEQUENCE DIVERSITY AND TRAIT VARIATION INTO APPLIED OUTCOMES THROUGH INTEGRATIVE RESEARCH, EDUCATION, AND EXTENSION. SUPPLEMENTAL AWARD- PLANT BREEDING CAPACITY IN AFRICA AS PART OF THE USDA-AGRA COLLABORATION
391	\$66,000	KELLOGG W K FOUNDATION	Hamm, Michael	CROP AND SOIL SCIENCE MABR	FOOD AND COMMUNITY CONNECTIONS
392	\$35,000	KELLOGG W K FOUNDATION	Hamm, Michael	CROP AND SOIL SCIENCE MABR	IMPLEMENTING THE MICHIGAN GOOD FOOD CHARTER
393	\$17,778	NORTHWEST MICHIGAN COUNCIL OF GOVERNMENTS	Hamm, Michael	CROP AND SOIL SCIENCE MABR	NWMCOG - FOOD INNOVATION DISTRICTS: A SMALL BUSINESS SOLUTION FOR MICHIGAN
394	\$62,565	PUBLIC HEALTH SOLUTIONS	Hamm, Michael	CROP AND SOIL SCIENCE MABR	SCHOOL FOOD FOCUS PROGRAM
395	\$10,000	MICH BEAN COMMISSION	Kelly, James	CROP AND SOIL SCIENCE MABR	DRY BEAN BREEDING AND GENETICS.
396	\$25,000	ELECTRIC POWER RESEARCH INSTITUTE	Robertson, G	CROP AND SOIL SCIENCE MABR	TECHNICAL TRANSFER ASOCIATED WITH MSU-EPRI N2O EMISSIONS OFFSETS PROTOCOL
397	\$90,000	NATL SCIENCE FOUNDATION	Robertson, G	CROP AND SOIL SCIENCE MABR	SUPPLEMENT TO : KBS LTER PROJECT: LONG-TERM ECOLOGICAL RESEARCH IN ROW-CROP AGRICULTURE

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398	\$70,214	MICHIGAN INITIATIVE FOR INNOVATION AND ENTREPRENEURSHIP	Smucker, Alvin	CROP AND SOIL SCIENCE MABR	COMMERCIALIZATION OF A SELF-CONTAINED MEMBRANE INSTALLATION DEVICE AND ASSOCIATED PROCESSES TO EXPAND THE SUBSURFACE WATER RETENTION TECHNOLOGY INDUSTRIES IN MICHIGAN AND BEYOND
399	\$6,500	BAYER CROPS SCIENCE SA-NV	Sprague, Christy	CROP AND SOIL SCIENCE MABR	WEED MANAGEMENT STRATEGIES IN SOYBEANS, SUGAR BEETS AND DRY BEANS.
400	\$33,500	DOW AGROSCIENCES	Sprague, Christy	CROP AND SOIL SCIENCE MABR	ENLIST CORN TOLERANCE V2 SURESTART GF-2836 KEYSTONE HALEX GT GF-2726
401	\$5,350	DOW AGROSCIENCES	Sprague, Christy	CROP AND SOIL SCIENCE MABR	SHOWCASE TREATMENTS
402	\$8,100	E. I. DU PONT DE NEMOURS & COMPANY	Sprague, Christy	CROP AND SOIL SCIENCE MABR	FIELD CROP DISEASE MANAGEMENT.
403	\$28,800	MICH SOYBEAN PROMOTION COMMITTEE	Sprague, Christy	CROP AND SOIL SCIENCE MABR	MANAGEMENT OF GLYPHOSATE-RESISTANT PALMER AMARANTH IN MICHIGAN
404	\$7,000	MICH SOYBEAN PROMOTION COMMITTEE	Sprague, Christy	CROP AND SOIL SCIENCE MABR	WEED CONTROL SYSTEMS IN NON-GMO SOYBEAN
405	\$9,200	MONSANTO COMPANY	Sprague, Christy	CROP AND SOIL SCIENCE MABR	DTS SYSTEMS RECOMMENDATIONS FOR CONVENTIONAL TILLAGE IN THE MIDWEST
406	\$9,200	MONSANTO COMPANY	Sprague, Christy	CROP AND SOIL SCIENCE MABR	PROTOCOL #2012-01-24-07; 2012-01-24-12
407	\$8,000	SYNGENTA CROP PROTECTION INC	Sprague, Christy	CROP AND SOIL SCIENCE MABR	FIELD CROP DISEASE MANAGEMENT.
408	\$17,000	DOW AGROSCIENCES	Steinke, Kurt	CROP AND SOIL SCIENCE MABR	SOIL FERTILITY AND NUTRIENT MANAGEMENT STRATEGIES ACROSS AGRICULTURAL PRODUCTION SYSTEMS.
409	\$6,000	INTERNATIONAL PLANT NUTRITION INSTITUTE	Steinke, Kurt	CROP AND SOIL SCIENCE MABR	THE EFFECTS OF AS, FUSED ASN, BLENDED ASN AND MES15 ON CORN PRODUCTION.
410	\$27,400	MICH SOYBEAN PROMOTION COMMITTEE	Steinke, Kurt	CROP AND SOIL SCIENCE MABR	SOYBEAN RESPONSE TO SULFUR FERTILIZATION AND PLACEMENT
411	\$19,100	MICH SOYBEAN PROMOTION COMMITTEE	Steinke, Kurt	CROP AND SOIL SCIENCE MABR	POTASSIUM RECOMMENDATIONS FOR MICHIGAN SOYBEAN PRODUCTION
412	\$21,100	MOSAIC CROP NUTRITION LLC	Steinke, Kurt	CROP AND SOIL SCIENCE MABR	SOIL FERTILITY TESTING
413	\$9,563	BASF CORPORATION	Thelen, Kurt	CROP AND SOIL SCIENCE MABR	CORN TESTING
414	\$28,000	MICH SOYBEAN PROMOTION COMMITTEE	Thelen, Kurt	CROP AND SOIL SCIENCE MABR	AGRONOMIC MAXIMIZATION OF SOYBEAN YIELD AND QUALITY: AN USB COLLABORATION PROJECT

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415	\$148,130	OKLAHOMA UNIVERSITY OF	Tiedje, James	CROP AND SOIL SCIENCE MABR	METAGEONOMICS-ENABLED PREDICTIVE UNDERSTANDING OF TEMPERATURE SENSITIVITY OF SOIL CARBON DECOMPOSITION TO CLIMATE WARMING
416	\$156,000	MICH SOYBEAN PROMOTION COMMITTEE	Wang, Dechun	CROP AND SOIL SCIENCE MABR	MAP GENES CONTRIBUTING TO SOYBEAN YIELD IN ELITE SOYBEAN GERMPLASM
417	\$119,500	MICH SOYBEAN PROMOTION COMMITTEE	Wang, Dechun	CROP AND SOIL SCIENCE MABR	SPECIALTY SOYBEAN BREEDING AND SOYBEAN GERMPLASM ENHANCEMENT FOR MICHIGAN ENVIRONMENTS
418	\$33,300	MICH SOYBEAN PROMOTION COMMITTEE	Wang, Dechun	CROP AND SOIL SCIENCE MABR	ENHANCE RESEARCH IN SOYBEAN FIELD EVALUATIONS IN MICHIGAN
419	\$20,000	MICH SOYBEAN PROMOTION COMMITTEE	Wang, Dechun	CROP AND SOIL SCIENCE MABR	IMPROVE MICHIGAN SOYBEAN FOR RESISTANCE TO MULTIPLE BIOTYPES OF APHIDS
420	\$16,000	MICH SOYBEAN PROMOTION COMMITTEE	Wang, Dechun	CROP AND SOIL SCIENCE MABR	CONTINUATION OF SUDDEN DEATH SYNDROME AND SOYBEAN CYST NEMATODE RESEARCH AT THE SOYBEAN DISEASE RESEARCH CENTER IN DECATUR
421	\$13,000	MICH SOYBEAN PROMOTION COMMITTEE	Wang, Dechun	CROP AND SOIL SCIENCE MABR	IMPROVE MICHIGAN SOYBEAN FOR RUST RESISTANCE
422	\$8,000	MICH SOYBEAN PROMOTION COMMITTEE	Wang, Dechun	CROP AND SOIL SCIENCE MABR	MAP SDS RESISTANCE GENES IN EARLY MATURING SOYBEAN GERMPLASM
423	\$121,460	NORTH CENTRAL SOYBEAN RESEARCH PROGRAM	Wang, Dechun	CROP AND SOIL SCIENCE MABR	THE SUDDEN DEATH SYNDROME RESEARCH ALLIANCE, SDS RESISTANCE QTL IDENTIFICATION AND CONFORMATION FROM NEW RESISTANCE SOURCES AND ADVANCED BREEDING LINES
424	\$30,000	SOUTH DAKOTA STATE UNIVERSITY	Wang, Dechun	CROP AND SOIL SCIENCE MABR	SOYBEAN APHID MANAGEMENT, RESISTANCE AND OUTREACH IN THE NORTH CENTRAL REGION
425	\$13,500	UNIVERSITY OF ILLINOIS	Wang, Dechun	CROP AND SOIL SCIENCE MABR	NESTED ASSOCIATION MAPPING [NAM] OF GENES CONTROLLING SOYBEAN YIELD AND OTHER KEY TRAITS
426	\$45,000	US DEPT AGRICULTURE	Wang, Dechun	CROP AND SOIL SCIENCE MABR	DEVELOPMENT OF SOYBEAN LINES IN MATURITY GROUP II THAT HAVE THE COMBINATION OF LOW PALMITIC ACID, LOW LINOLENIC ACID AND HIGH YIELD.
427	\$20,000	NORTH CENTRAL SOYBEAN RESEARCH PROGRAM	Bird, George	ENTOMOLOGY MABR	IMPROVING MANAGEMENT OF SOYBEAN CYST NEMATODE THROUGH EXTENSION DEMONSTRATION AND OUTREACH - PHASE II

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428	\$206,009	US DEPT AGRICULTURE	Landis, Joy	ENTOMOLOGY MABR	DELIVERING MICHIGAN IPM EXTENSION PROGRAMMING TO REDUCE POTENTIAL RISK TO HUMANS AND ENVIRONMENT WHILE SUPPORTING END-USER PROFITABILITY
429	\$366,074	NATL INST OF HEALTH - NIH/PHS	Walker, Edward	ENTOMOLOGY MABR	LARVAL MOSQUITO FEEDING AND MICROBIAL INTERACTIONS
430	\$16,384	MICHIGAN APPLE COMMITTEE	Wise, John	ENTOMOLOGY MABR	TRUNK INJECTION TECHNOLOGY FOR PESTICIDE DELIVERY IN APPLES
431	\$15,000	MICHIGAN APPLE COMMITTEE	Wise, John	ENTOMOLOGY MABR	TRUNK INJECTION OF FUNGICIDES AND BIO-PESTICIDES FOR APPLE SCAB CONTROL
432	\$13,000	MICHIGAN APPLE COMMITTEE	Wise, John	ENTOMOLOGY MABR	MONITORING OF OBLIQUEBANDED LEAFROLLER RESISTANCE IN APPLE ORCHARDS
433	\$68,237	GREAT LAKES FISHERY COMMISSION	Jones, Michael	FISHERIES AND WILDLIFE MABR	GLFC PERM SALARY AND FRINGE, RESEARCH ASSOCIATE TOM BINDER
434	\$13,183	GREAT LAKES FISHERY COMMISSION	Jones, Michael	FISHERIES AND WILDLIFE MABR	SCEP FELLOWSHIP HOLBROOK
435	\$12,276	GREAT LAKES FISHERY COMMISSION	Jones, Michael	FISHERIES AND WILDLIFE MABR	GLFC SUPPORT FOR QFC
436	\$6,800	GREAT LAKES FISHERY COMMISSION	Jones, Michael	FISHERIES AND WILDLIFE MABR	GLFC SUPPORT FOR QFC-LAKE ERIE PERCID MGT PROCESS
437	\$136,966	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Jones, Michael	FISHERIES AND WILDLIFE MABR	PERM SALARY, FRINGES AND OPERATING RILEY, KRAMER
438	\$25,893	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Jones, Michael	FISHERIES AND WILDLIFE MABR	ASSISTANCE WITH DEVELOPMENT OF CORMORANT ADAPTIVE MANAGEMENT PLAN FOR MICHIGAN
439	\$157,687	US GEOLOGICAL SURVEY	Jones, Michael	FISHERIES AND WILDLIFE MABR	DEVELOPMENT OF FISH HABITAT RESTORATION STRATEGIES FOR THE HURON-ERIE CORRIDOR
440	\$8,360	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Scribner, Kim	FISHERIES AND WILDLIFE MABR	LAKE STURGEON ACIPENSER FLAVESCENT POPULATION STATUS IN THE CHEBOYGAN RIVER WATERSHED LAKES, MICHIGAN
441	\$74,882	MICHIGAN UNIVERSITY OF	Weeks, Christopher	FISHERIES AND WILDLIFE MABR	INTEGRATED ASSESSMENT - EXPANSION OF MICHIGAN'S EXISTING COMMERCIAL AQUACULTURE ACTIVITIES INTO A MAJOR SUSTAINABLE SEAFOOD PRODUCTION INDUSTRY
442	\$16,518	MINNESOTA UNIV OF	Finley, Andrew	FORESTRY MABR	HIERARCHICAL MODELS FOR LARGE GOESTATISTICAL DATASETS WITH APPLICATIONS TO FORESTRY AND ECOLOGY
443	\$8,663	WASHINGTON TREE FRUIT RESEARCH COMMISSN	Iezzoni, Amy	HORTICULTURE MABR	ESTABLISHMENT AND TESTING OF MSU SWEET CHERRY ROOTSTOCKS.

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444	\$108,360	SCOTTS COMPANY	Nair, Muraleedharan	HORTICULTURE MABR	UNRESTRICTED GIFT IN SUPPORT OF RESEARCH OR EXTENSION.
445	\$6,281	MDOA HORTICULTURE FUND	Rowe, Dana	HORTICULTURE MABR	COMPARISON OF WATER USE EFFICIENCY OF OVERHEAD, DRIP, AND SUB-IRRIGATION FOR GREEN ROOFS.
446	\$60,711	GRAYSON-JOCKEY CLUB RESEARCH FDN INC	Derksen, Frederik	LARGE ANIMAL CLINICAL SCIENCES MABR	PULMONARY MICROVASCULAR FUNCTION AND EIPH
447	\$6,200	MI ANIMAL HEALTH FOUNDATION	Grooms, Daniel	LARGE ANIMAL CLINICAL SCIENCES MABR	ALTERNATIVE APPROACHES TO TAIL-DOCKING IN FEEDLOT CATTLE HOUSED IN SLATTED FLOOR FACILITIES
448	\$369,405	PROCTER & GAMBLE CO	Britton, Robert	MICROBIOLOGY & MOLECULAR GEN MABR	SCREENING OF CANDIDATE PROBIOTICS TO MODULATE OBESITY
449	\$28,800	MARYLAND UNIV OF	Schmidt, Thomas	MICROBIOLOGY & MOLECULAR GEN MABR	BIODIVERSITY CONSERVATION AND DRUG DISCOVERY IN MADAGASCAR AND MICROBIAL COMMUNITY ASSESSMENT IN MARINE MICROBIAL FIELD TRAINING
450	\$151,171	DOW CHEMICAL CO	Rubino, Maria	PACKAGING MABR	METHODS DEVELOPMENT FOR LOWER CLO2 LEVELS AND DEFINING [CLO2]/TIME EFFICACY BOUNDARIES FOR STRAWBERRY: BOTRYTIS REDUCTION AND VISUAL TISSUE DAMAGE.
451	\$90,179	AMERICAN CHEMISTRY COUNCIL	Harkema, Jack	PATHOBIOLOGY & DIAGNOSTIC INVESTGN MABR	ETHYLENE MODE OF ACTION IN BROWN NORWAY AND FISHER 346 RATS
452	\$1,573,994	ENVIRONMENTAL PROTECTION AGENCY	Harkema, Jack	PATHOBIOLOGY & DIAGNOSTIC INVESTGN MABR	GREAT LAKES AIR CENTER FOR INTEGRATIVE ENVIRONMENTAL RESEARCH (GLACIER)
453	\$14,943	NATL SCIENCE FOUNDATION	Lau, Jennifer	PLANT BIOLOGY MABR	DISSERTATION RESEARCH: THE DYNAMIC ROLE OF NATURAL ENEMIES DURING PLANT INVASIONS
454	\$13,500	NATL SCIENCE FOUNDATION	Lau, Jennifer	PLANT BIOLOGY MABR	THE COMMUNITY CONTEXT OF GENOTYPE-BY-GENOTYPE INTERACTIONS: IMPLICATIONS FOR BIOLOGICAL INVASIONS
455	\$6,000	FMC CORPORATION	Hausbeck, Mary	PLANT PATHOLOGY MABR	DISEASES OF UPLAND AND MUCK VEGETABLE TRANSPLANTS GREENHOUSE ORNAMENTALS AND THEIR CONTROL.
456	\$6,000	MICH VEGETABLE COUNCIL	Hausbeck, Mary	PLANT PATHOLOGY MABR	DISEASES OF UPLAND AND MUCK VEGETABLE AND TRANSPLANTS GREENHOUSE ORNAMENTALS AND THEIR CONTROL.

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457	\$9,000	UNITED PHOSPHORUS INC	Hausbeck, Mary	PLANT PATHOLOGY MABR	DISEASES OF UPLAND AND MUCK VEGETABLE AND TRANSPLANTS GREENHOUSE ORNAMENTALS AND THEIR CONTROL.
458	\$15,400	DUPONT CROP PROTECTION	Sundin, George	PLANT PATHOLOGY MABR	DISEASE OF TREE FRUIT CROPS AND THEIR CONTROL.
459	\$6,900	ISK BIOSCIENCES	Sundin, George	PLANT PATHOLOGY MABR	DISEASES OF TREE FRUIT CROPS AND THEIR CONTROL.
460	\$25,000	MICHIGAN APPLE COMMITTEE	Sundin, George	PLANT PATHOLOGY MABR	ANALYSIS OF A NEW CANKER DISEASE IN LINDAMAC AND OTHER NEW MAC CULTIVARS.
461	\$21,000	MICHIGAN APPLE COMMITTEE	Sundin, George	PLANT PATHOLOGY MABR	ANTIBIOTIC AND FUNGICIDE RESISTANCE IN APPLE PATHOGENS: DISTRIBUTION AND EVALUATION OF ALTERNATIVES.
462	\$6,000	UNIVERSITY OF MALAGA	Sundin, George	PLANT PATHOLOGY MABR	PLASMID SEQUENCING CONDUCTED BETWEEN MAY AND AUGUST 2011 FOR THE UNIVERSITY OF MALAGA.
<b>MICHIGAN STATE UNIVERSITY EXTENSION</b>					
463	\$33,757	USDA - AGRICULTURE U.S. DEPT. OF - ES	Skelly, Christine	ANIMAL SCIENCE DEPARTMENT - MSUE	IMPROVING HIRING PRACTICES AND RETENTION OF THE HORSE INDUSTRY LABOR FORCE THROUGH TRADITIONAL AND ONLINE EMPLOYER TRAINING PROGRAMS
464	\$177,312	KANSAS STATE UNIVERSITY	Swanson, Janice	ANIMAL SCIENCE DEPARTMENT - MSUE	BEEF AND DAIRY CATTLE ANIMAL WELFARE: MARKET OPPORTUNITIES AND THREATS
465	\$31,099	MICH 4-H FOUNDATION	Chapin, Julie	CHILDREN, YOUTH, FAMILIES & COMMUNITIES	MICHIGAN 4-H FOUNDATION COUNTY PROGRAMS
466	\$16,680	MICHIGAN FITNESS FOUNDATION	Lownds, Norman	CHILDREN, YOUTH, FAMILIES & COMMUNITIES	MYGARDEN TECHNOLOGY ENHANCEMENTS
467	\$72,420	MICHIGAN FITNESS FOUNDATION	Chung, Kimberly	COMMUNITY,AG,REC AND RES STD MSUE	NUTRITION EDUCATION AT FARMERS MARKETS
468	\$17,500	USDA - FOREST SERVICE	Nelson, Charles	COMMUNITY,AG,REC AND RES STD MSUE	SOUTH BRANCH 1-8 WELL STUDY
469	\$9,900	USDA - FOREST SERVICE	Nelson, Charles	COMMUNITY,AG,REC AND RES STD MSUE	AU SABLE NATIONAL SCENIC RIVER - RIVER USE SURVEY
470	\$9,500	MICH TURFGRASS FOUNDATION	Frank, Kevin	CROP AND SOIL SCIENCES MSUE	TURFGRASS TESTING
471	\$7,500	WORLD SOIL SOLUTIONS LLC	Frank, Kevin	CROP AND SOIL SCIENCES MSUE	TURFGRASS TESTING
472	\$40,552	BEET SUGAR DEVELOPMENT FOUND	Kells, James	CROP AND SOIL SCIENCES MSUE	SUGAR BEET TESTING

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473	\$40,000	US DEPT AGRICULTURE	Kells, James	CROP AND SOIL SCIENCES MSUE	ACQUISITION OF GOODS AND SERVICES
474	\$17,900	MICH SOYBEAN PROMOTION COMMITTEE	Baas, Dean	EXTENSION AGRICULTURE AND AGRIBUSINESS	IMPROVING CORN AND SOYBEAN YIELDS THROUGH AERIAL SEEDING OF COVER CROPS
475	\$20,000	USDA - AGRICULTURE U.S. DEPT. OF - ES	Min, Doo-Hong	EXTENSION AGRICULTURE AND AGRIBUSINESS	EVALUATING PERENNIAL GRASS CULTIVARS FOR THEIR USE AS BIOMASS ENERGY CROPS IN UPPER MICHIGAN
476	\$32,750	MINNESOTA UNIV OF	Mutch, Dale	EXTENSION AGRICULTURE AND AGRIBUSINESS	NCRSARE PDP MICHIGAN SUSTAINABLE AGRICULTURE PLAN OF WORK 2012 - CHAPTER 3
477	\$17,250	MINNESOTA UNIV OF	Mutch, Dale	EXTENSION AGRICULTURE AND AGRIBUSINESS	NCRSARE PDP MICHIGAN SUSTAINABLE AGRICULTURE PLAN OF WORK 2012 - CHAPTER 1
478	\$36,800	MICH SOYBEAN PROMOTION COMMITTEE	Staton, Michael	EXTENSION AGRICULTURE AND AGRIBUSINESS	2012 SMART ON-FARM RESEARCH AND DEMONSTRATION TRIALS
479	\$57,776	NATL 4-H COUNCIL	Bottomley, Lisa	EXTENSION CHILDREN AND YOUTH	4-H TRIBAL YOUTH NATIONAL MENTORING PROGRAM
480	\$10,000	NATL 4-H COUNCIL	Bottomley, Lisa	EXTENSION CHILDREN AND YOUTH	4-H TECH WIZARDS (2ND AMENDMENT)
481	\$429,546	MICH 4-H FOUNDATION	Chapin, Julie	EXTENSION CHILDREN AND YOUTH	4-H YOUTH DEVELOPMENT
482	\$78,706	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Chapin, Julie	EXTENSION CHILDREN AND YOUTH	SOUTHEAST MICHIGAN URBAN WILDLIFE AND FISHERIES OUTREACH
483	\$101,681	RUTH MOTT FOUNDATION	McLean, Teresa	EXTENSION GREENING MICHIGAN	URBAN AGRICULTURE/LOCAL FOOD SYSTEMS COORDINATOR 2012
484	\$12,000	MI DEPT COMMUNITY HEALTH	Contreras, Dawn	EXTENSION HEALTH AND NUTRITION	WISEWOMAN ENTREPRENEURIAL GARDENING PROJECT
485	\$39,899	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Burroughs, Jordan	FISHERIES AND WILDLIFE MSUE	BURROUGHS SALARY, FRINGES AND OPERATING
486	\$36,430	DUCKS UNLIMITED	Pistis, Charles	FISHERIES AND WILDLIFE MSUE	ANCHOR BAY/ST. CLAIR FLATS WILDLIFE AREA PHRAGMITES CONTROL PROJECT
487	\$55,000	ILLINOIS UNIV OF -	Pistis, Charles	FISHERIES AND WILDLIFE MSUE	BRINGING GREAT LAKES SCIENCE TO THE CLASSROOM IA THE LAKE GUARDIAN AND OTHER DYNAMIC PROFESSIONAL DEVELOPMENT EXPEREINCES TO STRENGTHEN THE EDUCATOR/SCIENTIST COMMUNITY OF PRACTICE: AN INITIATIVE OF EPA-GLNPO AND THE GREAT LAKES SEA GRANT NETWORK

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488	\$685,478	MICHIGAN UNIVERSITY OF	Pistis, Charles	FISHERIES AND WILDLIFE MSUE	MICHIGAN SEA GRANT EXTENSION
489	\$35,600	NATL OCEANIC & ATMOSPHERIC ADMIN	Pistis, Charles	FISHERIES AND WILDLIFE MSUE	DEVELOPING GREAT LAKES LITERACY AND STEWARDSHIP IN URBAN SOUTHEAST MICHIGAN THROUGH THE GREAT LAKES EDUCATION PROGRAM
490	\$20,000	MICH APPLE RESEARCH COMMITTEE I	Bourquin, Leslie	FOOD SCIENCE AND HUMAN NUTRITION MSUE	INFLUENCE OF APPLE POMACE AND ETHANOL-EXTRACTABLE POLYPHENOLS ON COLON CANCER RISK
491	\$19,500	MICH APPLE RESEARCH COMMITTEE I	Bourquin, Leslie	FOOD SCIENCE AND HUMAN NUTRITION MSUE	IMPACT OF APPLE VARIETY, STORAGE AND PROCESSING PARAMETERS ON PATULIN CONCENTRATIONS IN APPLE JUICE
492	\$23,953	THE COCA-COLA COMPANY	Bourquin, Leslie	FOOD SCIENCE AND HUMAN NUTRITION MSUE	FOOD SAFETY TRAINING PROGRAM – COCA-COLA SUGAR SUPPLIERS
493	\$170,935	WORLD BANK	Bourquin, Leslie	FOOD SCIENCE AND HUMAN NUTRITION MSUE	FOOD SAFETY TRAINING PROGRAM ON PREREQUISITE PROGRAMS AND HACCP SYSTEMS – CHINA
494	\$50,000	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Walters, Michael	FORESTRY MSUE	EFFECTS OF EAB, HARVEST PATTERN AND DEER BROWSE ON THE DIVERSITY AND STRUCTURE OF NORTHERN HARDWOOD FOREST; IMPLICATIONS FOR SUSTAINABLE TIMBER PRODUCTIONS AND SONGBIRD HABITAT.”
495	\$15,000	MICHIGAN APPLE COMMITTEE	Beaudry, Randolph	HORTICULTURE - MSUE	CHEMICAL THINNING & PGR’S EVALUATION
496	\$15,000	MICHIGAN APPLE COMMITTEE	Beaudry, Randolph	HORTICULTURE - MSUE	HONEYCRISP, PRODUCTION, QUALITY AND NUTRITION
497	\$15,000	MICHIGAN APPLE COMMITTEE	Beaudry, Randolph	HORTICULTURE - MSUE	OPTIMIZING AIR AND CA STORAGE OF HONEYCRISP
498	\$6,000	MICHIGAN APPLE COMMITTEE	Beaudry, Randolph	HORTICULTURE - MSUE	TALL SPINDLE AND NEW SYSTEMS EVALUATION
499	\$9,915	NCR-SARE	Brainard, Daniel	HORTICULTURE - MSUE	IMPROVING RESOURCE USE EFFICIENCY THROUGH STRIP TILLAGE, COVER CROPPING, AND DEEP FERTILIZER PLACEMENT.
500	\$9,235	MDOA HORTICULTURE FUND	Cregg, Bert	HORTICULTURE - MSUE	ROLE OF SOIL MOISTURE AVAILABILITY IN CONING OF FRASER FIR IN CHRISTMAS TREE.
501	\$7,000	INTL FRUIT TREE ASSOCIATION	Lang, Gregory	HORTICULTURE - MSUE	COMPONENTS OF INTENSIVE SWEET CHERRY ORCHARD DEVELOPMENT.
502	\$12,000	MICHIGAN APPLE COMMITTEE	Lang, Gregory	HORTICULTURE - MSUE	MATCHING NEW ROOTSTOCK TRAITS (DWARFING, PRODUCTIVITY, DISEASE RESISTANCE) TO MICHIGAN NEEDS

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503	\$10,000	THE CERES TRUST	Ngouajio, Mathieu	HORTICULTURE - MSUE	EXPLORING THE COMBINATION OF BIOFUMIGATION AND ANAEROBIC SOIL DISINFESTATION FOR SOIL QUALITY ENHANCEMENT IN ORGANIC VEGETABLE CROPPING SYSTEMS
504	\$75,000	US DEPT AGRICULTURE	Ngouajio, Mathieu	HORTICULTURE - MSUE	AN INTEGRATED APPROACH TO OPTIMIZING THE PERFORMANCE OF CEREAL-LEGUME COVER CROP MIXTURES AND IMPROVING SYNCHRONY OF N FROM ORGANIC RESIDUES
505	\$21,930	USDA - AGRI RESEARCH SERV US DEPT AGR	Runkle, Erik	HORTICULTURE - MSUE	A NORTH-SOUTH FLORICULTURE ALLIANCE FOR PRODUCTION RESEARCH
506	\$161,953	CORNELL UNIV	Sabbatini, Paolo	HORTICULTURE - MSUE	NORTHERN GRAPES: INTEGRATING VITICULTURE, WINEMAKING, AND MARKETING OF NEW COLD-HARDY CULTIVARS SUPPORTING NEW AND GROWING RURAL WINERIES.
507	\$6,500	NATL GRAPE COOPERATIVE ASSN	Sabbatini, Paolo	HORTICULTURE - MSUE	CONTROL OF BERRY GROWTH AND MATURATION FOR IMPROVING FRUIT QUALITY IN CONCORD VINES
508	\$5,477	MDOA HORTICULTURE FUND	Schutzki, Robert	HORTICULTURE - MSUE	MICHIGAN PLANT EVALUATION PROGRAM.
509	\$7,000	FREMONT AREA FOUNDATION	Zandstra, Bernard	HORTICULTURE - MSUE	NEW HERBICIDE LABELS FOR PRE AND POST-EMERGENCE WEED CONTROL IN VEGETABLE CROPS
510	\$53,752	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Cohen, Joshua	NATURAL FEATURES INVENTORY MSUE	17. SURVEY OF KNOWN NATURAL COMMUNITY ELEMENT OCCURRENCES ON STATE PARK AND RECREATION AREA LANDS
511	\$93,500	US FISH & WILDLIFE SERVICE	Cuthrell, David	NATURAL FEATURES INVENTORY MSUE	ASSESS THE STATUS OF PITCHER'S THISTLE AND AMERICAN BURYING BEETLE LOCATED IN THE SOUTHERN LOWER PENINSULA OF THE STATE OF MICHIGAN
512	\$73,000	USDA - FOREST SERVICE	Cuthrell, David	NATURAL FEATURES INVENTORY MSUE	RARE PLANT, ANIMAL, AND NATURAL COMMUNITY MONITORING IN THE HIAWATHA NATIONAL FOREST
513	\$48,929	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Klatt, Brian	NATURAL FEATURES INVENTORY MSUE	ACOUSTIC MONITORING OF CHIROPTERAN AND AVIAN MIGRATION ACTIVITY IN HIGH WIND AREA
514	\$43,056	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Klatt, Brian	NATURAL FEATURES INVENTORY MSUE	MONITORING BAT USE OF AGRICULTURAL FIELDS IN MICHIGAN

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515	\$27,613	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Klatt, Brian	NATURAL FEATURES INVENTORY MSUE	MONITORING BAT SPECIES DIVERSITY IN THE NORTHERN THUMB AREA OF MICHIGAN
516	\$41,998	US FISH & WILDLIFE SERVICE	Lee, Yu	NATURAL FEATURES INVENTORY MSUE	COPPERBELLY MONITORING FOR 2012 AND 2013
517	\$8,500	RICETEC INC	Goldy, Ronald	SOUTHWEST MICH RESEARCH & EXTENSION CTR	2012 RICETEC VARIETY TRIAL
518	\$7,600	SYNGENTA SEEDS INC	Goldy, Ronald	SOUTHWEST MICH RESEARCH & EXTENSION CTR	ZUCCHINI & YELLOW SQUASH TRIAL
<b>VICE PRES RESEARCH AND GRADUATE STUDIES</b>					
519	\$500,000	MICHIGAN ECONOMIC DEVELOPMENT CORP	Hunt, Paul	ASSOCIATE VICE PRESIDENT FOR RESEARCH	I6 GREEN PROJECT: "PROOF OF CONCEPT FOR GREEN SCALE UP CHEMISTRY
520	\$177,025	DATE PALM RESEARCH CENTER, KING FAISAL UNIVERSITY	Balan, Venkatesh	GREAT LAKES BIOENERGY RESEARC CTR VPRGS	PALM INDUSTRY TO FERMENTABLE SUGARS FOR BIOFUELS AND BIOCHEMICAL PRODUCTION.
521	\$500,000	BD OF REGENTS OF THE UNIV WISCONSIN SYS	Walton, Jonathan	GREAT LAKES BIOENERGY RESEARC CTR VPRGS	GREAT LAKES BIOENERGY RESEARCH CENTER
522	\$2,400,000	MSU FOUNDATION	Gray, James	RESEARCH & GRADUATE STUDIES VICE PRES	CAPACITY BUILDING (RC066504, RC066597)
523	\$1,940,000	MSU FOUNDATION	Gray, James	RESEARCH & GRADUATE STUDIES VICE PRES	MSU INNOVATION CENTER / MSU TECHNOLOGIES (RG073885)
524	\$1,400,000	MSU FOUNDATION	Gray, James	RESEARCH & GRADUATE STUDIES VICE PRES	STRATEGIC PARTNERSHIP GRANT (RC066533)
525	\$765,800	MSU FOUNDATION	Gray, James	RESEARCH & GRADUATE STUDIES VICE PRES	FACILITATION GRANT (RG072997)
526	\$750,000	MSU FOUNDATION	Gray, James	RESEARCH & GRADUATE STUDIES VICE PRES	UNALLOCATED
527	\$417,300	MSU FOUNDATION	Gray, James	RESEARCH & GRADUATE STUDIES VICE PRES	MSU TECHNOLOGIES (RG073885)

**Gift, Grant and Contract Report  
Board Of Trustees  
September 2012**

	<b>Amount</b>	<b>Donor</b>	<b>Director</b>	<b>Unit</b>	<b>Purpose</b>
528	\$400,000	MSU FOUNDATION	Gray, James	RESEARCH & GRADUATE STUDIES VICE PRES	11/12 "UNALLOCATED" FOUNDATION FUNDS, TO BE USED IN SUPPORT OF THE CTR FOR ADVANCED PHENOMICS, AND MSU TECHNOLOGIES.
529	\$320,000	MSU FOUNDATION	Gray, James	RESEARCH & GRADUATE STUDIES VICE PRES	TARGETED SUPPORT GRANTS FOR TECHNOLOGY DEVELOPMENT (RG074704)
530	\$300,000	MSU FOUNDATION	Gray, James	RESEARCH & GRADUATE STUDIES VICE PRES	HUMANITIES AND ARTS RESEARCH PROGRAM (RG073699)
531	\$300,000	MSU FOUNDATION	Gray, James	RESEARCH & GRADUATE STUDIES VICE PRES	COMPETITIVE DISCRETIONARY FUNDING / DISCRETIONARY FUNDING INITIATIVE (RG074715)
532	\$204,277	MSU FOUNDATION	Gray, James	RESEARCH & GRADUATE STUDIES VICE PRES	TARGETED SUPPORT GRANTS FOR TECHNOLOGY DEVELOPMENT (RG074704)
533	\$200,000	MSU FOUNDATION	Gray, James	RESEARCH & GRADUATE STUDIES VICE PRES	SPECIAL EQUIPMENT (RG074711)
534	\$170,000	MICHIGAN UNIVERSITY OF	Hasemann, Charles	RESEARCH & GRADUATE STUDIES VICE PRES	TECH TRANSFER TALENT NETWORK
535	\$99,000	MICHIGAN UNIVERSITY OF	Hasemann, Charles	RESEARCH & GRADUATE STUDIES VICE PRES	MICHIGAN CORPORATE RESEARCH NETWORK (MCRN)
<b>GRADUATE SCHOOL DEAN</b>					
536	\$438,750	NATL SCIENCE FOUNDATION	Klomprens, Karen	GRADUATE SCHOOL DEAN	GRADUATE RESEARCH FELLOWSHIP PROGRAM
537	\$62,434	VAN ANDEL RESEARCH INSTITUTE	Klomprens, Karen	GRADUATE SCHOOL DEAN	GRADUATE EDUCATION COLLABORATION
<b>UNIVERSITY ADVANCEMENT</b>					
538	\$26,749,494	VARIOUS DONORS	Groves, Robert	VICE PRESIDENT UNIVERSITY ADVANCEMENT	GIFTS TO MSU FOR PERIOD APRIL THROUGH JUNE, 2012
<b>V.P. FINANCE AND OPERATIONS AND TREASURER</b>					
539	\$6,250	MI CRIMINAL JUSTICE	Dunlap, James	DEPARTMENT OF POLICE AND PUBLIC SAFETY	IN SERVICE TRAINING OF POLICE OFFICERS
540	\$899,764	VARIOUS DONORS	Poston, Fred	MSU FOUNDATION	QUARTERLY GIFT/GRANT TRANSFERS

**Gift, Grant and Contract Report  
Board Of Trustees  
September 2012**

	<b>Amount</b>	<b>Donor</b>	<b>Director</b>	<b>Unit</b>	<b>Purpose</b>
<b>GENERAL UNIVERSITY ITEMS</b>					
541	\$7,000	CAPITAL AREA UNITED WAY INC	Rosen, Holly	DOMESTIC SHELTER	SUPPORT SERVICES FOR SURVIVORS OF DOMESTIC VIOLENCE & STALKING & COMMUNITY EDUCATION
542	\$8,000	EAST LANSING CITY OF	Rosen, Holly	DOMESTIC SHELTER	SHELTER AND SUPPORT FOR SURVIVORS OF RELATIONSHIP VIOLENCE & STALKING
<b>Various</b>					
543	\$350,082	VARIOUS	Various	Various	161 CONSOLIDATED GRANTS WITH INDIVIDUAL VALUES LESS THAN \$5000. DETAILS ON FILE IN CONTRACT & GRANT ADMIN., ROOM 301 ADMIN. BLDG.
	<b>\$119,655,342</b>	<b>Total September 2012 Board</b>			

CONSIGNMENT/NON-CASH GIFTS  
BOARD OF TRUSTEES  
SEPTEMBER 2012

GIFT NO.	GIFT	DONOR	DEPARTMENT NAME	ESTIMATED VALUE	PURPOSE OR USE
1	Strategic planning services	Right Brain Consumer Consulting, LLC	Communication Arts & Sciences	115,627.08	Strategic planning services for WKAR
2	Cravo "X-Frame" retractable roof greenhouse/shade house	Cravo Equipment, Ltd.	Horticulture	\$96,400.00	Research
3	Intensive Care Unit #123111D-1 Intensive Care Unit #123111D-2	Plas-Labs, Inc.	Veterinary Teaching Hospital	\$39,250.00	Small animal emergency
4	Strategic planning services	Thinkonnaissance, LLC	Communication Arts & Sciences	\$16,275.00	Strategic planning services for WKAR
5	Charter flight	Quantum Ventures of Michigan, LLC Robert Skandalaris	Athletics	\$12,189.74	Transporting Athletic Director and coaches to Teterboro for the Sports Business Awards.
6	Ethnographic artifacts & embellished textiles	Doris Neilson	Museum	\$9,992.00	Research & display
7	Charter flight	Quantum Ventures of Michigan, LLC Robert Skandalaris	Intercollegiate Athletics/ Spartan Fund	\$6,975.18	Transporting football coaches to Washington, D.C.
8-72	Various	Various	Various	\$57,690.56	65 Consolidated non-cash gifts for individual values less than \$5,000 details on file in the Contract & Grant Admin Room 301 Admin Bldg
			<b>TOTAL NON-CASH GIFTS</b>	<b>\$354,399.56</b>	